Protuct Content

Photo	Series Name	Size (mm max)	Inductance (uH)	Saturation Current (A)MAX	Page
	FHWCD3521	3.8×3.3×2.4	1.0~100	3.20~0.20	5
	FHWCD4532	4.8×4.3×3.5	1.0~220	4.00~0.30	6
	FHWCD5825	6.1×5.5×2.8	1.5~100	4.00~0.40	7
	FHWCD5830	6.1×5.5×3.3	1.0~330	5.50~0.28	8
	FHWCD5845	6.1×5.5×4.8	1.5~1000	5.20~0.13	9
	FHWCD7835	8.1×7.3×3.8	1.0~680	6.00~0.25	10
	FHWCD7850	8.1×7.3×5.3	1.2~6800	10.0~0.07	11
	FHWCD1054	10.3×9.3×5.7	3.3~2800	7.00~0.18	12

Photo	Series Name	Size (mm max)	Inductance (uH)	Rated Current (A)	Page
	FHW252012	2.7×2.2×1.2	0.47~22	3.82~0.53	14
	FHW3012	3.2×3.2×1.2	1.0~47	5.30~0.27	15
	FHW3015	3.2×3.2×1.5	0.47~100	3.90~0.23	16
	FHW4012	4.2×4.2×1.2	1.0~47	2.61~0.39	17
	FHW4018	4.2×4.2×1.8	0.47~220	4.30~0.27	18
	FHW4020	4.2×4.2×2.0	0.47~100	7.00~0.48	19
	FHW4030	4.2×4.2×3.0	0.68~220	6.80~0.40	20
	FHW5020	5.3×5.3×2.0	0.22~120	9.00~0.42	21
	FHW5040	5.3×5.3×4.0	1.0~1000	7.35~0.21	22
	FHW6028	6.3×6.3×2.8	0.82~1000	6.50~0.18	23
	FHW6045	6.3×6.3×4.5	0.47~1000	15.0~0.30	24
	FHW8040	8.3×8.3×4.0	0.82~1000	13.8~0.40	25
	FHWRH0703	7.3×7.3×3.5	1.0~1000	7.97~0.16	27
	FHWRH0704	7.3×7.3×4.5	1.0~1000	9.00~0.18	28
	FHWRH1204	12.5×12.5×4.5	3.9~330	6.50~0.50	29
	FHWRH1205	12.5×12.5×6.0	1.2~1000	8.00~0.40	30
	FHWRH1207	12.5×12.5×8.0	1.2~1000	9.80~0.55	31
	FHWRH1209	12.5×12.5×10	1.0~220	11.6~0.52	32
	FHWRH103R	10.5×10.3×3.1	0.8~150	8.30~0.51	34
	FHWRH104R	10.5×10.3×4.1	1.5~330	6.50~0.52	35
	FHWRH105R	10.5×10.3×5.1	0.8~1000	9.50~0.42	36
	FHWRH8D28	8.3×8.3×3.0	1.0~100	6.50~0.75	38
	FHWRH8D38	8.3×8.3×4.0	1.8~100	6.80~0.88	38
	FHWRH8D43	8.3×8.3×4.5	1.0~100	6.60~0.80	39

Protuct Content

Photo	Series Name	Size (mm max)	Inductance (uH)	Rated Current (A)	Page
	FHWRH3D16	4.0×4.0×1.8	0.47~33	2.75~0.32	41
	FHWRH3D28	4.0×4.0×3.1	10~220	0.50~0.10	42
	FHWRH4D18	5.0×5.0×2.0	1.0~180	1.72~0.14	43
	FHWRH4D28	5.0×5.0×3.1	1.2~390	2.56~0.13	44
	FHWRH5D28	6.0×6.0×3.0	2.6~680	2.60~0.16	45
	FHWRH6D28	7.0×7.0×3.0	3.0~680	3.00~0.18	46
	FHWRH6D38	7.0×7.0×4.0	3.0~1000	3.50~0.20	47
	FHW0420	4.9×4.5×2.0	0.22~10	12.0~1.80	49
	FHW0520	5.9×5.2×2.0	0.22~10	16.0~2.50	49
	FHW0530	5.9×5.2×3.0	0.47~22	13.0~1.50	50
	FHW0620	7.8×7.0×2.0	0.68~10	16.0~3.50	50
	FHW0630	7.8×7.0×3.0	0.22~47	40.0~1.80	51
	FHW0650	7.8×7.0×5.0	0.22~68	45.0~1.80	52
	FHW1030	11.8×10.8×3.0	1.0~15	18.0~4.00	52
	FHW1040	11.8×10.8×4.0	0.22~100	60.0~2.00	53
	FHW1050	11.8×10.8×5.0	0.82~33	32.0~6.00	54
	FHW1340	14.5×13.5×4.0	0.22~22	55.0~7.00	54
	FHW1350	14.5×13.5×5.0	0.33~68	60.0~3.50	55
	FHW0406	5.5×8.0	1.0~1000	2.0~0.15	57
	FHW0608	7.5×10.0	3.3~2200	3.5~0.04	58
	FHW0810	10.0×13.0	3.3~2700	5.0~0.17	59
	FHW0912	11.0×15.0	1.0~1500	5.0~0.15	60
	FHW1012	12.0×15.0	1.0~10000	6.0~0.18	61
	FHW0204	2.8×5.0	0.1~330	0.7~0.02	63
	FHW0307	3.0×9.0	0.1~1000	1.4~0.06	64
	FHW0410	4.0×12.0	0.1~1000	1.7~0.08	65
	FHW0510	5.0×13.0	470~10000	0.12~0.02	66
	FHW3308	12.95×9.40×3.50	10.0~1000	2.0~0.05	68
	FHW3316	12.95×9.40×5.21	1.0~1000	6.8~0.30	69
	FHW3340	12.95×9.40×11.43	10.0~1000	3.5~0.10	70
	FHW5022	18.54×15.24×7.11	1.0~1000	8.6~0.56	71
	HTW060125	--	1.0~100	--	72
	HT5018	--	1.0~470	--	
	HTM953	--	100~10000	--	

品牌；FHW-丰辉旺电感

Protuct Content

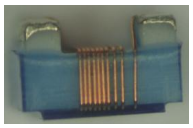
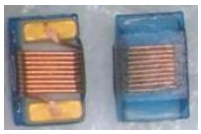
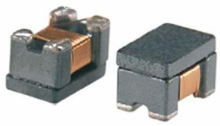
Photo	Series Name	Size (mm max)	Inductance (nH)	SRF (MHz)	Rated Current(mA)	Page
	FHW0402	1.15×0.65×0.65	47~10000	200~9	25~2	74
	FHW0603	1.75×0.95×0.95	47~33000	125~15	600~10	75
	FHW0805	2.20×1.45×1.05	47~100000	350~8	300~2	76
	FHW1206	3.40×1.80×1.40	47~220000	400~5.5	300~2	77
	FHW1210	3.40×2.70×1.45	1000~47000	90~17	150~10	78
	FHW0201	0.65×0.35×0.35	0.6~56	10000~1200	0.06~0.06	80
	FHW0402	1.15×0.65×0.65	1.0~330	10000~350	0.4~0.05	81
	FHW0603	1.75×0.95×0.95	1.0~330	10000~350	0.5~0.03	82
	FHW0805	2.20×1.45×1.05	1.5~470	6000~200	0.6~0.03	83
	FHW0402	1.20×0.66×0.66	1.0~100	12700~1160	1360~30	85
	FHW0603	1.80×1.12×1.02	1.8~470	12500~700	700~80	86
	FHW0805	2.30×1.73×1.52	3.3~820	7900~215	600~180	87
	FHW0805	2.40×1.65×1.30	120~33000	1000~18	1500~120	89
	FHW1008	2.90×2.55×2.10	0.22~100	750~7	880~200	90
	HWF1210	3.60×2.90×2.40	1.8~220	203~8	1000~80	91

Photo	Series Name	Size (mm max)	Impedance (Ω)	Rated Current(mA)	Page
	HGB0201	0.65×0.35×0.35	10~600	500~100	93
	HGB0402	1.15×0.65×0.65	5~1800	500~100	93
	HGB0603	1.75×0.95×0.95	7~2500	1000~50	94
	HGB0805	2.20×1.45×1.05	7~2500	2200~200	95
	HGB1206	3.40×1.80×1.10	19~3000	2000~200	96
	FHW2012	2.20×1.45×1.05	30~370	450~280	98

SMD Unshielded Power Inductors-CD Series



■ Feature

1. RoHS,Halogen Free and REACH Compliance
2. Unshielded power inductor
3. Various package size and wide inductamce range

■ Applications

1. Graphic cards
2. DC/DC converters

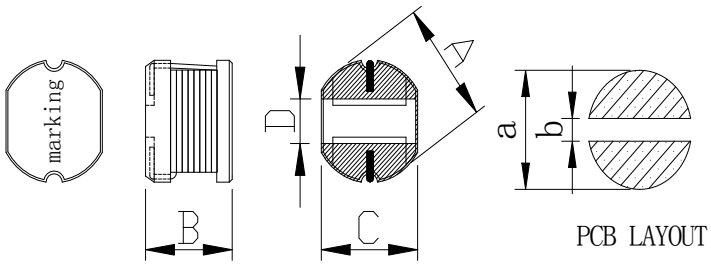
■ Product Identification

CD 1054 - 150 M B

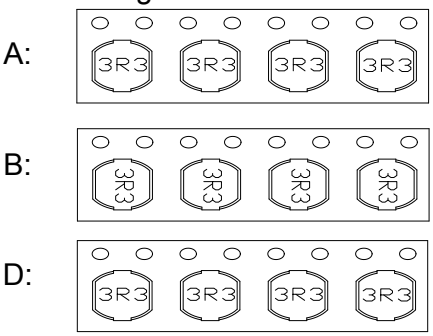
1 2 3 4 5

1. Series name
2. Dimension
3. Inductance(150=15uH)
4. Tolerance(N:30%,M:20%,K:10%)
5. ※ Lettering direction

■ Configurations & Dimensions



※ Lettering direction



Series Name	A	B	C	D	a	b
FHW3521	3.5±0.3	2.1±0.3	3.0±0.3	1.25 Ref	4.5	1.0
FHW4532	4.5±0.3	3.2±0.3	4.0±0.3	1.8 Ref	5.5	1.2
FHW5825	5.8±0.3	2.5±0.3	5.2±0.3	2.2 Ref	6.8	1.3
FHW5830	5.8±0.3	3.0±0.3	5.2±0.3	2.2 Ref	6.8	1.3
FHW5845	5.8±0.3	4.5±0.3	5.2±0.3	2.2 Ref	6.8	1.3
FHW7835	7.8±0.3	3.5±0.3	7.0±0.3	2.6 Ref	8.8	2.1
FHW7850	7.8±0.3	5.0±0.3	7.0±0.3	2.6 Ref	8.8	2.1
FHW1054	10.0±0.3	5.4±0.3	9.0±0.3	3.2 Ref	11.0	2.5

Unit: mm

SMD Unshielded Power Inductors-CD Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
FHW3521-R56MB	0.56	100/0.25	0.023	4.00
FHW3521-1R0MB	1.0		0.040	3.20
FHW3521-1R5MB	1.5		0.055	2.80
FHW3521-2R2MB	2.2		0.070	2.50
FHW3521-2R7MB	2.7		0.078	2.00
FHW3521-3R3MB	3.3		0.090	1.83
FHW3521-3R9MB	3.9		0.125	1.60
FHW3521-4R7MB	4.7		0.140	1.50
FHW3521-6R8MB	6.8		0.230	0.95
FHW3521-8R2MB	8.2		0.250	0.92
FHW3521-100KB	10		0.270	0.90
FHW3521-150KB	15		0.400	0.75
FHW3521-180KB	18		0.480	0.70
FHW3521-220KB	22		0.580	0.60
FHW3521-330KB	33		0.920	0.55
FHW3521-420KB	42		1.200	0.50
FHW3521-470KB	47		1.270	0.45
FHW3521-680KB	68		2.000	0.30
FHW3521-101KB	100		2.800	0.20

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)

SMD Unshielded Power Inductors-CD Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
FHW4532-1R0MB	1.0	100/0.25	0.021	4.00
FHW4532-1R5MB	1.5		0.026	3.60
FHW4532-2R2MB	2.2		0.030	3.40
FHW4532-2R7MB	2.7		0.045	3.00
FHW4532-3R3MB	3.3		0.055	2.80
FHW4532-4R7MB	4.7		0.076	2.50
FHW4532-6R8MB	6.8		0.100	1.80
FHW4532-8R2MB	8.2		0.124	1.65
FHW4532-100KB	10		0.140	1.60
FHW4532-150KB	15		0.210	1.20
FHW4532-220KB	22		0.316	1.00
FHW4532-270KB	27		0.403	0.90
FHW4532-330KB	33		0.466	0.80
FHW4532-470KB	47		0.770	0.70
FHW4532-680KB	68		0.986	0.50
FHW4532-101KB	100		1.500	0.44
FHW4532-151KB	150		2.110	0.35
FHW4532-181KB	180		2.420	0.30

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)

SMD Unshielded Power Inductors-CD Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
FHW5825-1R5MB	1.5	100/0.25	0.024	4.00
FHW5825-2R2MB	2.2		0.035	3.50
FHW5825-3R3MB	3.3		0.046	2.70
FHW5825-4R7MB	4.7		0.070	2.30
FHW5825-6R8MB	6.8		0.092	1.70
FHW5825-100MB	10		0.115	1.50
FHW5825-150MB	15		0.192	1.20
FHW5825-220KB	22		0.280	1.00
FHW5825-330KB	33		0.384	0.80
FHW5825-470KB	47		0.563	0.70
FHW5825-680KB	68		0.800	0.60
FHW5825-101KB	100		1.100	0.40

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)

SMD Unshielded Power Inductors-CD Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
FHW5830-1R5MB	1.5	100/0.25	0.018	4.10
FHW5830-2R2MB	2.2		0.026	3.50
FHW5830-3R3MB	3.3		0.034	3.00
FHW5830-4R7MB	4.7		0.048	2.50
FHW5830-6R8MB	6.8		0.070	2.20
FHW5830-8R2MB	8.2		0.082	2.00
FHW5830-100MB	10		0.100	1.80
FHW5830-150MB	15		0.150	1.70
FHW5830-180KB	18		0.184	1.60
FHW5830-220KB	22		0.220	1.50
FHW5830-330KB	33		0.300	1.10
FHW5830-390KB	39		0.370	1.00
FHW5830-470KB	47		0.430	0.90
FHW5830-680KB	68		0.680	0.80
FHW5830-101KB	100		0.880	0.60
FHW5830-121KB	120		1.200	0.58
FHW5830-151KB	150		1.300	0.43
FHW5830-181KB	151		1.680	0.41
FHW5830-221KB	220		1.880	0.38
FHW5830-331KB	330		3.200	0.28

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)

SMD Unshielded Power Inductors-CD Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
FHW5845-R56MB	0.56		0.007	9.50
FHW5845-1R0NB	1.0		0.012	6.00
FHW5845-1R5MB	1.5		0.014	5.20
FHW5845-2R2MB	2.2		0.018	4.50
FHW5845-3R3MB	3.3		0.025	3.50
FHW5845-4R7MB	4.7		0.035	3.10
FHW5845-6R8MB	6.8		0.047	2.50
FHW5845-8R2MB	8.2		0.059	2.20
FHW5845-100KB	10		0.068	2.00
FHW5845-120KB	12		0.075	1.80
FHW5845-150KB	15		0.105	1.70
FHW5845-180KB	18		0.150	1.65
FHW5845-220KB	22	100/0.25	0.164	1.50
FHW5845-270KB	27		0.180	1.30
FHW5845-330KB	33		0.230	1.20
FHW5845-470KB	47		0.370	1.00
FHW5845-560KB	56		0.420	0.72
FHW5845-680KB	68		0.460	0.61
FHW5845-101KB	100		0.610	0.52
FHW5845-151KB	150		0.860	0.40
FHW5845-221KB	220		1.370	0.35
FHW5845-331KB	330		1.850	0.25
FHW5845-391KB	390		2.200	0.23
FHW5845-471KB	470		2.400	0.20
FHW5845-681KB	680		3.600	0.15
FHW5845-102KB	1000	1/0.25	5.760	0.13

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)

SMD Unshielded Power Inductors-CD Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
FHW7835-1R0MB	1.0	100/0.25	0.009/0.008	6.00
FHW7835-1R5MB	1.5		0.012/0.009	5.00
FHW7835-2R2MB	2.2		0.014	4.00
FHW7835-3R3MB	3.3		0.023	3.50
FHW7835-4R7MB	4.7		0.029	3.00
FHW7835-6R8MB	6.8		0.044	2.50
FHW7835-100MB	10		0.061	2.00
FHW7835-150MB	15		0.091	1.80
FHW7835-220KB	22		0.120	1.50
FHW7835-330KB	33		0.180	1.10
FHW7835-470KB	47		0.250	0.90
FHW7835-680KB	68		0.330	0.70
FHW7835-101KB	100		0.480	0.55
FHW7835-151KB	150		0.793	0.50
FHW7835-221KB	220		1.124	0.42
FHW7835-331KB	330		1.495	0.35
FHW7835-471KB	470		2.376	0.30
FHW7835-681KB	680		3.312	0.25
FHW7835-221KB	220		1.124	0.42
FHW7835-331KB	330		1.495	0.35
FHW7835-471KB	470		2.376	0.30
FHW7835-681KB	680		3.312	0.25
FHW7835-221KB	220		1.124	0.42
FHW7835-331KB	330		1.495	0.35
FHW7835-471KB	470		2.376	0.30
FHW7835-681KB	680		3.312	0.25

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)

SMD Unshielded Power Inductors-CD Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
CD7850-1R2MB	1.2	100/0.25	0.013/0.011	10.00
CD7850-1R5MB	1.5		0.015/0.013	9.00
CD7850-2R2MB	2.2		0.018/0.015	8.00
CD7850-3R3MB	3.3		0.024/0.02	6.50
CD7850-4R7MB	4.7		0.021	4.00
CD7850-5R6MB	5.6		0.025	3.50
CD7850-6R8MB	7		0.030	3.10
CD7850-100KB	10		0.045	2.30
CD7850-150KB	15		0.059	1.80
CD7850-220KB	22		0.088	1.50
CD7850-330KB	33		0.120	1.30
FHW7850-470KB	47		0.180	1.10
FHW7850-560KB	56		0.240	0.94
FHW7850-680KB	68		0.280	0.85
FHW7850-101KB	100		0.430	0.72
FHW7850-121KB	120		0.470	0.66
FHW7850-151KB	150		0.600	0.60
FHW7850-221KB	220		0.960	0.49
FHW7850-331KB	330		1.260	0.40
FHW7850-471KB	470		1.960	0.34
FHW7850-681KB	680		2.610	0.30
FHW7850-821KB	820		2.990	0.25
FHW7850-102KB	1000	1/0.25	3.300	0.22
FHW7850-152KB	1500		5.500	0.20
FHW7850-222KB	2200		7.900	0.15
FHW7850-302KB	2201		11.500	0.12
FHW7850-682KB	6800		26.280	0.07

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)

SMD Unshielded Power Inductors-CD Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
FHW1054-3R3MB	3.3	100/0.25	0.015/0.012	7.00
FHW1054-4R7MB	4.7		0.023/0.015	6.00
FHW1054-6R8MB	6.8		0.025	5.00
FHW1054-100KB	10.0		0.030	4.00
FHW1054-150KB	15.0		0.042	3.20
FHW1054-220KB	22.0		0.060	2.50
FHW1054-330KB	33		0.095	2.00
FHW1054-470KB	47		0.130	1.80
FHW1054-560KB	56		0.142	1.50
FHW1054-680KB	68		0.198	1.30
FHW1054-820KB	82		0.235	1.10
FHW1054-101KB	100		0.260	0.97
FHW1054-121KB	120		0.312	0.85
FHW1054-151KB	150		0.368	0.78
FHW1054-181KB	180		0.437	0.72
FHW1054-221KB	220		0.600	0.66
FHW1054-331KB	330		0.830	0.52
FHW1054-471KB	470		1.280	0.42
FHW1054-681KB	680		1.950	0.40
FHW1054-102KB	1000	1/0.25	2.500	0.30
FHW1054-152KB	1500		4.250	0.25
FHW1054-202KB	2000		5.000	0.20
FHW1054-282KB	2800		6.400	0.18

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)

SMD Shielded Power Inductors-HR Series



■ Feature

1.Magnetic-resin shielded construction reduces buzz noise to ultra-low levels
2.Metallization on ferrite core results in excellent shock resistance and damage-free durability
3.Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference(EMI)
4.30% Higher current rating than conventional inductors of equal size
5.Takes up less PCB real estate and save more power

■ Applications

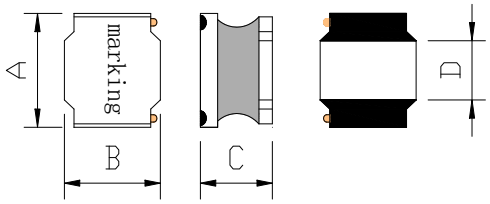
1.LED Lighting
2.Next-generation mobile devices with multifunction such as mobile tv and digital movie cameras
3.Flat-screen TVs,blue-ray disc recorders,set top box
4.Notebooks,desktop computers,servers,graphic cards
5.Portable gaming devices,personal navigation systems,personal multimedia devices
6.Automotive systems、Telecomm base stations

■ Product Identification

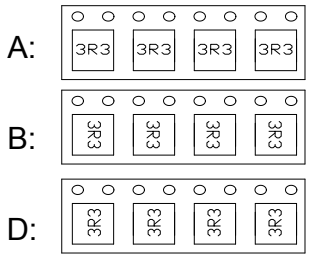
HR 5040 - 150 M B
1 2 3 4 5

1. Series name
2. Dimension
3. Inductance(150=15uH)
4. Tolerance(N:30%,M:20%,K:10%)
※ 5. Lettering direction

■ Configurations & Dimensions



※ Lettering direction



Series Name	A	B	C(Max)	D	a(Ref)	b(Ref)	c(Ref)
FHW252012	2.5±0.1	2.0±0.1	1.2	0.80±0.2	0.8	0.9	2.0
FHW3012	3.0±0.2	3.0±0.3	1.2	0.75±0.2	1.5	0.8	2.7
FHW3015	3.0±0.2	3.0±0.3	1.5	0.75±0.2	1.5	0.8	2.7
FHW4012	4.0±0.2	4.0±0.3	1.2	0.95±0.2	1.9	1.1	3.7
FHW4018	4.0±0.2	4.0±0.3	1.8	0.95±0.2	1.9	1.1	3.7
HR4020	4.0±0.2	4.0±0.3	2.0	0.95±0.2	1.9	1.1	3.7
FHW4030	4.0±0.2	4.0±0.3	3.0	0.95±0.2	1.9	1.1	3.7
FHW5020	5.0±0.2	5.0±0.3	2.0	1.25±0.2	2.3	1.4	4.7
FHW5040	5.0±0.2	5.0±0.3	4.0	1.25±0.2	2.3	1.4	4.7
FHW6028	6.0±0.3	6.0±0.4	2.8	1.55±0.3	2.8	1.7	5.7
FHW6045	6.0±0.3	6.0±0.4	4.5	1.55±0.3	2.8	1.7	5.7
FHW8040	8.0±0.3	8.0±0.4	4.2	2.00±0.3	3.8	2.2	7.5

Unit: mm

品牌；FHW-丰辉旺电感

深圳市丰辉旺科技有限公司；联系电话；18503051681李生同微信号　　ww.jh-dzcl.com

SMD Shielded Power Inductors-HR Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW252012-R47N	0.47	100/0.25	0.061	3.82	2.15
FHW252012-R68N	0.68		0.074	3.28	1.95
FHW252012-1R0N	1.0		0.090	2.59	1.93
FHW252012-1R5M	1.5		0.147	2.24	1.40
FHW252012-2R2M	2.2		0.216	1.85	1.15
FHW252012-3R3M	3.3		0.264	1.61	1.04
FHW252012-4R7M	4.7		0.377	1.12	0.84
FHW252012-5R6M	5.6		0.538	1.11	0.73
FHW252012-6R8M	6.8		0.581	0.98	0.69
FHW252012-8R2M	8.2		0.658	0.98	0.65
FHW252012-100M	10		0.690	0.79	0.62
FHW252012-120M	12		1.075	0.78	0.51
FHW252012-150M	15		1.591	0.68	0.42
FHW252012-220M	22		1.976	0.53	0.38

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HR Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW3012-R82N	0.82	100/0.25	0.039	2.05	2.47
FHW3012-1R0N	1.0		0.052	1.87	2.20
FHW3012-1R5N	1.5		0.059	1.62	2.01
FHW3012-2R2N	2.2		0.098	1.20	1.55
FHW3012-3R3M	3.3		0.130	1.05	1.36
FHW3012-4R7M	4.7		0.156	0.90	1.24
FHW3012-5R6M	5.6		0.226	0.80	1.13
FHW3012-6R8M	6.8		0.247	0.75	0.98
FHW3012-100M	10		0.345	0.60	0.83
FHW3012-120M	12		0.449	0.48	0.73
FHW3012-150M	15		0.468	0.45	0.71
FHW3012-180M	18		0.709	0.43	0.58
FHW3012-220M	22		0.839	0.42	0.53
FHW3012-270M	27		1.131	0.35	0.47
FHW3012-330M	33		1.138	0.36	0.46
FHW3012-390M	39		1.729	0.30	0.37
FHW3012-470M	47		1.885	0.27	0.35
FHW3012-560M	56		1.794	0.26	0.28
FHW3012-680M	68		2.171	0.24	0.33
FHW3012-820M	82		3.302	0.17	0.27
FHW3012-101M	100		3.718	0.21	0.25

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HR Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW3015-R50N	0.5	100/0.25	0.039	3.90	2.60
FHW3015-1R0N	1.0		0.039	2.32	2.35
FHW3015-1R5N	1.5		0.065	2.30	1.70
FHW3015-2R2N	2.2		0.078	1.60	1.60
FHW3015-3R3M	3.3		0.104	1.32	1.36
FHW3015-3R9M	3.9		0.137	1.20	1.20
FHW3015-4R7M	4.7		0.163	1.10	1.09
FHW3015-6R2M	6.2		0.254	1.00	0.86
FHW3015-6R8M	6.8		0.260	0.85	0.85
FHW3015-100M	10		0.325	0.72	0.77
FHW3015-120M	12		0.416	0.70	0.68
FHW3015-150M	15		0.455	0.66	0.65
FHW3015-180M	18		0.559	0.56	0.59
FHW3015-220M	22		0.598	0.52	0.57
FHW3015-270M	27		0.949	0.48	0.45
FHW3015-330M	33		1.066	0.44	0.43
FHW3015-390M	39		1.294	0.41	0.39
FHW3015-470M	47		1.625	0.35	0.35
FHW3015-560M	56		1.664	0.33	0.30
FHW3015-680M	68		3.510	0.28	0.23
FHW3015-101M	100		4.043	0.23	0.21
FHW3015-151M	150		4.940	0.18	0.19

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HR Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW4012-1R0N	1.0	100/0.25	0.065	2.61	1.65
FHW4012-1R5N	1.5		0.085	2.10	1.46
FHW4012-2R2N	2.2		0.104	1.76	1.32
FHW4012-3R3N	3.3		0.143	1.72	1.12
FHW4012-4R7N	4.7		0.163	1.15	1.05
FHW4012-5R6N	5.6		0.182	1.00	1.00
FHW4012-6R8M	6.8		0.257	0.85	0.84
FHW4012-100M	10		0.345	0.80	0.77
FHW4012-120M	12		0.377	0.66	0.70
FHW4012-150M	15		0.442	0.56	0.64
FHW4012-180M	18		0.611	0.55	0.55
FHW4012-220M	22		0.763	0.46	0.49
FHW4012-330M	33		1.053	0.42	0.42
FHW4012-390M	39		1.430	0.55	0.37
FHW4012-470M	47		1.430	0.35	0.37
FHW4012-560M	56		1.625	0.33	0.33
FHW4012-680M	68		2.535	0.38	0.27
FHW4012-820M	82		2.782	0.28	0.26
FHW4012-101M	101		2.873	0.25	0.25

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HR Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW4018-R47N	0.47	100/0.25	0.018	4.30	4.00
FHW4018-R68N	0.7		0.026	4.90	3.30
FHW4018-1R0N	1.0		0.033	4.80	2.00
FHW4018-1R5N	1.5		0.039	3.35	1.80
FHW4018-2R2M	2.2		0.059	2.70	1.65
FHW4018-3R3M	3.3		0.091	2.45	1.23
FHW4018-4R7M	4.7		0.117	1.70	1.20
FHW4018-6R8M	6.8		0.143	1.45	1.06
FHW4018-100M	10		0.234	1.30	0.84
FHW4018-150M	15		0.325	0.94	0.65
FHW4018-220M	22		0.468	0.80	0.59
FHW4018-270M	27		0.611	0.47	0.52
FHW4018-330M	33		0.689	0.56	0.49
FHW4018-470M	47		0.845	0.57	0.42
FHW4018-680M	68		1.300	0.47	0.32
FHW4018-101M	100		2.275	0.40	0.25
FHW4018-151M	150		3.250	0.31	0.22
FHW4018-221M	220		5.200	0.27	0.17

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HR Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW4020-R33N	0.33	100/0.25	0.016	7.50	3.30
FHW4020-R47N	0.47		0.029	7.00	3.30
FHW4020-R68N	0.68		0.036	6.40	2.80
FHW4020-1R0N	1.0		0.038	4.78	2.15
FHW4020-1R5N	1.5		0.046	4.45	1.98
FHW4020-2R2N	2.2		0.052	3.40	1.85
FHW4020-3R3M	3.3		0.091	3.20	1.40
FHW4020-4R7M	4.7		0.098	2.35	1.34
FHGW4020-5R6M	5.6		0.117	2.20	1.22
FHW4020-6R8M	6.8		0.163	2.20	1.04
FHW4020-8R2M	8.2		0.163	1.75	1.04
FHW4020-100M	10		0.215	1.60	0.90
FHW4020-120M	12		0.228	1.50	0.88
FHW4020-150M	15		0.299	1.35	0.77
FHW4020-220M	22		0.455	1.05	0.62
FHW4020-270M	27		0.709	1.02	0.50
FHW4020-330M	33		0.715	0.85	0.49
FHW4020-390M	39		0.845	0.82	0.46
FHW4020-470M	47		0.923	0.74	0.44
FHW4020-560M	56		1.040	0.66	0.41
FHW4020-680M	68		1.380	0.61	0.36
FHW4020-820M	82		1.520	0.50	0.34
FHW4020-101M	100		2.020	0.48	0.31

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HR Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW4030-R68N	0.68	100/0.25	0.013	6.80	4.56
FHW4030-1R0N	1.0		0.018	5.26	4.15
FHW4030-1R5N	1.5		0.026	4.84	3.34
FHW4030-2R2N	2.2		0.039	4.90	2.95
FHW4030-3R3M	3.3		0.052	3.30	2.40
FHW4030-4R7M	4.7		0.078	2.90	2.00
FHW4030-5R6M	5.6		0.085	2.60	1.95
FHW4030-6R8M	6.8		0.117	2.75	1.60
FHW4030-8R2M	8.2		0.117	2.10	1.60
FHW4030-100M	10		0.130	1.95	1.50
FHW4030-120M	12		0.175	1.70	1.30
FHW4030-150M	15		0.247	1.65	1.11
FHW4030-180M	18		0.260	1.40	1.10
FHW4030-220M	22		0.292	1.30	1.00
FHW4030-270M	27		0.338	1.15	0.90
FHW4030-330M	33		0.429	1.10	0.84
FHW4030-390M	39		0.566	1.03	0.73
FHW4030-470M	47		0.579	0.95	0.72
FHW4030-560M	56		0.722	0.85	0.65
FHW4030-680M	68		1.128	0.72	0.52
FHW4030-820M	82		1.378	0.66	0.47
FHW4030-101M	100		1.495	0.60	0.45
FHW4030-121M	120		1.755	0.55	0.52
FHW4030-151M	150		2.340	0.50	0.30
FHW4030-221M	220		3.250	0.40	0.35
FHW4030-331M	330		5.200	0.30	0.25
FHW4030-471M	470		9.360	0.30	0.20

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HR Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW5020-R47N	0.47	100/0.25	0.017	6.15	4.60
FHW5020-R68N	0.68		0.022	5.50	4.00
FHW5020-1R0N	1.0		0.026	4.10	3.80
FHW5020-1R5N	1.5		0.034	4.10	3.20
FHW5020-2R2N	2.2		0.042	3.20	2.90
FHW5020-3R3N	3.3		0.056	2.55	2.50
FHW5020-4R7M	4.7		0.074	2.50	2.20
FHW5020-5R6M	5.6		0.083	2.30	2.05
FHW5020-6R8M	6.8		0.108	2.05	1.80
FHW5020-8R2M	8.2		0.127	1.85	1.65
FHW5020-100M	10		0.143	1.70	1.55
FHW5020-150M	15		0.215	1.35	1.25
FHW5020-180M	18		0.260	1.25	1.15
FHW5020-220M	22		0.294	1.15	1.10
FHW5020-330M	33		0.507	0.92	0.90
FHW5020-470M	47		0.680	0.77	0.77
FHW5020-560M	56		0.819	0.77	0.64
FHW5020-680M	68		0.962	0.65	0.53
FHW5020-820M	82		1.158	0.65	0.50
FHW5020-101M	100		1.430	0.53	0.40

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HR Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW5040-1R0N	1.00	100/0.25	0.016	7.35	4.90
FHW5040-1R5N	1.50		0.020	6.30	4.30
FHW5040-2R2N	2.2		0.025	4.90	3.80
FHW5040-3R3N	3.3		0.031	3.95	3.40
FHW5040-4R7N	4.7		0.039	3.50	3.00
FHW5040-5R6M	5.6		0.046	3.00	2.80
FHW5040-6R8M	6.8		0.056	2.90	2.50
FHW5040-8R2M	8.2		0.062	2.70	2.30
FHW5040-100M	10		0.083	2.35	2.10
FHW5040-150M	15		0.112	2.00	2.00
FHW5040-220M	22		0.168	1.90	1.50
FHW5040-330M	33		0.244	1.30	1.20
FHW5040-470M	47		0.354	1.10	1.00
FHW5040-680M	68		0.520	0.90	0.80
FHW5040-101M	100		0.728	0.75	0.70
FHW5040-151M	150		0.975	0.65	0.60
FHW5040-102M	1000		7.800	0.21	0.20

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HR Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW6028-R82N	0.82	100/0.25	0.016	6.50	5.20
FHW6028-1R0N	1.00		0.013	5.57	5.20
FHW6028-1R5N	1.5		0.017	6.00	4.58
FHW6028-2R2N	2.2		0.026	5.10	3.75
FHW6028-3R3N	3.3		0.033	4.15	3.48
FHW6028-4R7N	4.7		0.039	3.00	3.08
FHW6028-6R8M	6.8		0.061	2.60	2.40
FHW6028-8R2M	8.2		0.072	2.30	2.25
FHW6028-100M	10		0.094	2.04	1.95
FHW6028-120M	12		0.104	1.80	1.85
FHW6028-150M	15		0.163	1.75	1.45
FHW6028-180M	18		0.156	1.52	1.45
FHW6028-220M	22		0.182	1.45	1.40
FHW6028-270M	27		0.202	1.50	1.32
FHW6028-330M	33		0.241	1.35	1.22
FHW6028-390M	39		0.293	1.25	1.10
FHW6028-470M	47		0.410	1.15	1.06
FHW6028-560M	56		0.449	1.05	0.89
FHW6028-680M	68		0.468	0.80	0.86
FHW6028-820M	82		0.650	0.80	0.70
FHW6028-101M	100		0.650	0.65	0.70
FHW6028-102M	1000		7.540	0.18	0.23

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HR Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW6045-R47N	0.47	100/0.25	0.008	15.00	6.50
FHW6045-R68N	0.68		0.008	11.00	5.70
FHW6045-R82N	0.8		0.010	10.35	5.90
FHW6045-1R0N	1.0		0.014	9.85	5.14
FHW6045-1R5N	1.5		0.016	8.80	4.95
FHW6045-2R2N	2.2		0.018	6.75	4.60
FHW6045-3R3N	3.3		0.027	5.90	3.70
FHW6045-4R7M	4.7		0.034	4.95	3.30
FHW6045-5R6M	5.6		0.038	4.15	3.15
FHW6045-6R8M	6.8		0.040	3.90	3.00
FHW6045-8R2M	8.2		0.056	3.90	2.60
FHW6045-100M	10		0.062	3.20	2.45
FHW6045-120M	12		0.075	2.80	2.20
FHW6045-150M	15		0.088	2.50	2.05
FHW6045-180M	18		0.105	2.20	1.85
FHW6045-220M	22		0.116	2.05	1.80
FHW6045-330M	33		0.178	1.65	1.45
FHW6045-470M	47		0.260	1.40	1.20
FHW6045-680M	68		0.376	1.20	1.00
FHW6045-820M	82		0.443	1.05	0.90
FHW6045-101M	100		0.563	0.95	0.80
FHW6045-121M	120		0.629	0.85	0.77
FHW6045-151M	150		0.754	0.80	0.70
FHW6045-221M	220		1.084	0.70	0.59
FHW6045-331M	330		1.651	0.57	0.57
FHW6045-471M	470		2.340	0.50	0.40
FHW6045-681M	680		3.250	0.42	0.33
FHW6045-102M	1000		5.850	0.30	0.30

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HR Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW8040-R82N	0.82	100/0.25	0.010	13.80	6.30
FHW8040-1R0N	1.0		0.010	9.85	6.30
FHW8040-1R5N	1.5		0.013	8.15	5.65
FHW8040-2R2N	2.2		0.016	7.10	5.15
FHW8040-3R3N	3.3		0.022	6.50	4.40
FHW8040-3R9N	3.9		0.022	5.75	4.35
FHW8040-4R7M	4.7		0.025	5.90	4.10
FHW8040-5R6M	5.6		0.027	6.00	3.85
FHW8040-6R8M	6.8		0.031	4.55	3.60
FHW8040-8R2M	8.2		0.034	4.20	3.45
FHW8040-100M	10		0.038	3.60	3.30
FHW8040-150M	15		0.061	2.95	2.60
FHW8040-180M	18		0.069	2.70	2.40
FHW8040-220M	22		0.090	2.40	2.10
FHW8040-270M	27		0.101	2.15	2.00
FHW8040-330M	33		0.126	2.05	1.80
FHW8040-390M	39		0.139	1.95	1.70
FHW8040-470M	47		0.177	1.75	1.55
FHW8040-680M	68		0.255	1.45	1.25
FHW8040-820M	82		0.293	1.30	1.15
FHW8040-101M	100		0.377	1.15	1.00
FHW8040-121M	120		0.434	1.05	0.95
FHW8040-151M	150		0.533	1.10	0.85
FHW8040-221M	220		0.779	0.85	0.80
FHW8040-331M	330		1.156	0.68	0.64
FHW8040-471M	470		1.625	0.60	0.50
HR8040-681M	680		2.652	0.50	0.45
HR8040-102M	1000		3.640	0.40	0.35

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-CDRH Series



■ Feature

1.Excellent solderability and high heat resistance
2.Magnetically shielded construction
3.Low cost and packed in embossed carrier tape

■ Applications

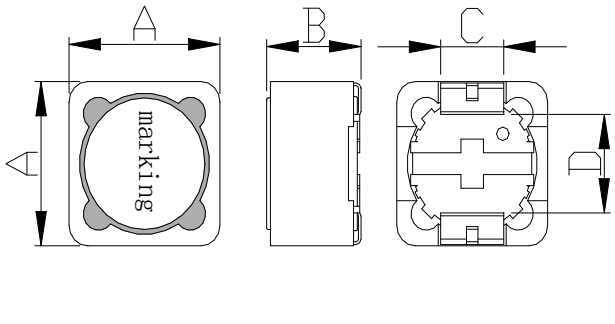
1.Ideally used in power supply for VTR
2.Digital camera
3.DC-DC Converter
4.OA equipment
5.LCD television
6.Notebook PC

■ Product Identification

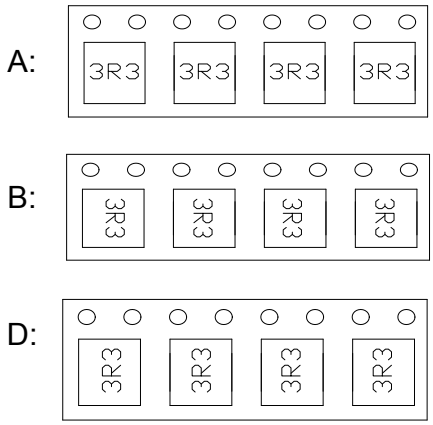
CDRH 1207 - 150 M B
1 2 3 4 5

1. Series name
2. Dimension
3. Inductance(150=15uH）
4. Tolerance(N:30%,M:20%,K:10%)
※ 5. Lettering direction

■ Configurations & Dimensions



※ Lettering direction



Series Name	A	B(Max)	C	D	a(Ref)	b(Ref)	c(Ref)
FHWRH0703	7.3±0.3	3.5	1.8	5.4±0.2	2.2	1.6	4.8
FHWRH0704	7.3±0.3	4.5	1.8	5.4±0.2	2.2	1.6	4.8
FHWRH1204	12.0±0.3	4.5	5.0	7.6±0.2	5.4	2.8	7.0
FHWRH1205	12.0±0.3	6.0	5.0	7.6±0.2	5.4	2.8	7.0
FHWRH1207	12.0±0.3	8.0	5.0	7.6±0.2	5.4	2.8	7.0
FHWRH1209	12.0±0.3	10.0	5.0	7.6±0.2	5.4	2.8	7.0

Unit: mm

SMD Shielded Power Inductors-CDRH Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH0703-1R0N	1.0	100/0.25	0.016	7.97
FHWRH0703-1R5N	1.5		0.023	5.50
FHWRH0703-2R2N	2.2		0.027	4.50
FHWRH0703-3R3N	3.3		0.031	4.00
FHWRH0703-4R7N	4.7		0.048	3.50
FHWRH0703-5R6N	5.6		0.056	3.00
FHWRH0703-6R8N	6.8		0.062	2.50
FHWRH0703-100M	10		0.072	1.68
FHWRH0703-150M	15		0.130	1.33
FHWRH0703-180M	18		0.140	1.20
FHWRH0703-220M	22		0.190	1.07
FHWRH0703-330M	33		0.240	0.91
FHWRH0703-470M	47		0.360	0.76
FHWRH0703-680M	68		0.520	0.61
FHWRH0703-101M	100		0.790	0.50
FHWRH0703-151M	150		1.270	0.43
FHWRH0703-181M	180		1.450	0.39
FHWRH0703-221M	220		1.650	0.35
FHWRH0703-331M	330		2.620	0.28
FHWRH0703-471M	470		4.180	0.24
FHWRH0703-681M	680		5.730	0.19
FHWRH0703-102M	1000		9.440	0.16

※ Rated Current that will cause initial inductance value approximately 25% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-CDRH Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH0704-1R0N	1.0	100/0.25	0.015	9.00
FHWRH0704-1R5N	1.5		0.018	7.00
FHWRH0704-2R2N	2.2		0.028	6.00
FHWRH0704-3R3N	3.3		0.032	4.80
FHWRH0704-4R7N	4.7		0.038	4.00
FHWRH0704-5R6N	5.6		0.040	3.50
FHWRH0704-6R8N	6.8		0.045	3.00
FHWRH0704-100M	10		0.049	1.84
FHWRH0704-150M	15		0.081	1.47
FHWRH0704-180M	18		0.091	1.31
FHWRH0704-220M	22		0.110	1.23
FHWRH0704-330M	33		0.170	0.96
FHWRH0704-470M	47		0.260	0.88
FHWRH0704-680M	68		0.380	0.70
FHWRH0704-101M	100		0.610	0.60
FHWRH0704-151M	150		0.880	0.46
FHWRH0704-181M	180		0.980	0.42
FHWRH0704-221M	220		1.170	0.36
FHWRH0704-331M	330		1.860	0.32
FHWRH0704-471M	470		3.010	0.26
FHWRH0704-681M	680		4.630	0.22
FHWRH0704-102M	1000		6.000	0.18

※ Rated Current that will cause initial inductance value approximately 25% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-CDRH Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
CDRH1204-3R9M	3.9	100/0.25	0.015	6.50
FHWRH1204-4R7M	4.7		0.018	5.70
FHWRH1204-6R8M	6.8		0.023	4.90
FHWRH1204-8R2M	8.2		0.026	4.60
FHWRH1204-100M	10		0.028	4.50
FHWRH1204-120M	12		0.038	4.00
FHWRH1204-150M	15		0.050	3.20
FHWRH1204-180M	18		0.057	3.10
FHWRH1204-220M	22		0.066	2.90
FHWRH1204-270M	27		0.080	2.80
FHWRH1204-330M	33		0.097	2.70
FHWRH1204-390M	39		0.132	2.10
FHWRH1204-470M	47		0.150	1.90
FHWRH1204-560M	56		0.190	1.80
FHWRH1204-680M	68		0.220	1.50
FHWRH1204-820M	82		0.260	1.30
FHWRH1204-101M	100		0.308	1.20
FHWRH1204-121M	120		0.380	1.10
FHWRH1204-151M	150		0.530	0.95
FHWRH1204-181M	180		0.620	0.85
FHWRH1204-221M	220		0.700	0.80
FHWRH1204-331M	330		0.990	0.50

※ Rated Current that will cause initial inductance value approximately 25% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-CDRH Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH1205-2R2N	2.2	100/0.25	0.014	7.00
FHWRH1205-3R3N	3.3		0.017	6.00
FHWRH1205-4R7N	4.7		0.020	5.00
FHWRH1205-5R6N	5.6		0.021	4.40
FHWRH1205-6R8M	7		0.024	4.20
FHWRH1205-100M	10		0.025	4.00
FHWRH1205-150M	15		0.030	3.30
FHWRH1205-180M	18		0.034	3.00
FHWRH1205-220M	22		0.036	2.80
FHWRH1205-270M	27		0.051	2.30
FHWRH1205-330M	33		0.057	2.10
FHWRH1205-390M	39		0.068	2.00
FHWRH1205-470M	47		0.075	1.80
FHWRH1205-560M	56		0.110	1.70
FHWRH1205-680M	68		0.120	1.50
FHWRH1205-820M	82		0.140	1.40
FHWRH1205-101M	100	1/0.25	0.160	1.30
FHWRH1205-121M	120		0.170	1.10
FHWRH1205-151M	150		0.230	1.00
FHWRH1205-181M	180		0.290	0.90
FHWRH1205-221M	220		0.400	0.80
FHWRH1205-331M	330		0.510	0.68
FHWRH1205-471M	470		0.770	0.58
FHWRH1205-561M	560		0.860	0.54
FHWRH1205-681M	680		1.200	0.48
FHWRH1205-102M	1000		1.530	0.40

※ Rated Current that will cause initial inductance value approximately 25% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-CDRH Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH1207-2R2N	2.2	100/0.25	0.012	8.00
FHWRH1207-3R3N	3.3		0.014	7.50
FHWRH1207-4R7N	4.7		0.016	6.80
FHWRH1207-5R6N	5.6		0.018	6.60
FHWRH1207-6R8M	7		0.020	5.90
FHWRH1207-100M	10		0.022	5.40
FHWRH1207-150M	15		0.030	4.50
FHWRH1207-180M	18		0.039	3.90
FHWRH1207-220M	22		0.043	3.60
FHWRH1207-270M	27		0.046	3.40
FHWRH1207-330M	33		0.065	3.00
FHWRH1207-390M	39		0.073	2.75
FHWRH1207-470M	47		0.100	2.50
FHWRH1207-560M	56		0.110	2.35
FHWRH1207-680M	68		0.140	2.10
FHWRH1207-820M	82		0.160	1.95
FHWRH1207-101M	100	1/0.25	0.220	1.70
FHWRH1207-121M	120		0.250	1.60
FHWRH1207-151M	150		0.280	1.42
FHWRH1207-181M	180		0.350	1.30
FHWRH1207-221M	220		0.390	1.16
FHWRH1207-331M	330		0.640	0.95
FHWRH1207-471M	470		0.980	0.79
FHWRH1207-561M	560		1.070	0.73
FHWRH1207-681M	680		1.460	0.67
FHWRH1207-102M	1000		1.820	0.56

※ Rated Current that will cause initial inductance value approximately 25% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-CDRH Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH1209-1R0N	2.2	100/0.25	0.006	19.90
FHWRH1209-1R8N	3.3		0.007	13.40
FHWRH1209-3R3N	4.7		0.010	12.00
FHWRH1209-4R7N	5.6		0.011	10.08
FHWRH1209-6R8M	7		0.013	8.56
FHWRH1209-100M	10		0.018	7.12
FHWRH1209-150M	15		0.026	5.84
FHWRH1209-180M	18		0.028	5.48
FHWRH1209-220M	22		0.029	5.12
FHWRH1209-270M	27		0.042	4.68
FHWRH1209-330M	33		0.053	4.25
FHWRH1209-390M	39		0.058	3.92
FHWRH1209-470M	47		0.063	3.60
FHWRH1209-560M	56		0.068	2.85
FHWRH1209-680M	68		0.093	2.76
FHWRH1209-820M	82		0.099	2.62
FHWRH1209-101M	100	1/0.25	0.126	2.31
FHWRH1209-121M	120		0.154	2.05
FHWRH1209-151M	150		0.174	1.80
FHWRH1209-181M	180		0.191	1.66
FHWRH1209-221M	220		0.246	1.64
FHWRH1209-331M	330		0.386	1.28
FHWRH1209-471M	470		0.471	1.06
FHWRH1209-561M	560		0.650	1.01
FHWRH1209-681M	680		0.730	0.83
FHWRH1209-102M	1000		1.220	0.70
FHWRH1209-152M	1500		1.990	0.56
FHWRH1209-222M	2200		2.580	0.43

※ Rated Current that will cause initial inductance value approximately 25% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-CDRH Series



■ Feature

1.Various high power inductors are superior to be high saturation
2.Suitable for surface mounting equipment
3.Excellent solderability and high heat resistance

■ Applications

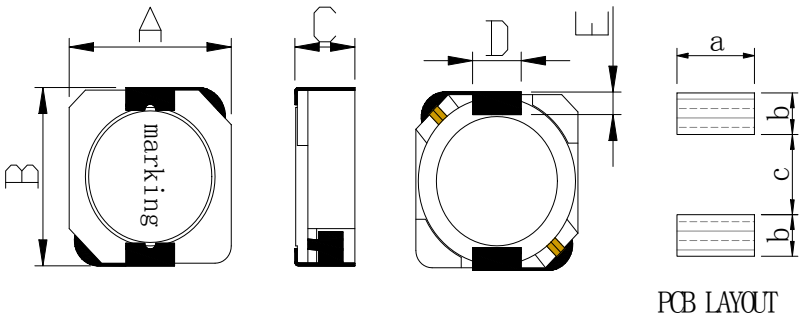
1.Ideally used in power supply for VTR
2.Digital camera
3.DC-DC Converter
4.OA equipment
5.LCD television
6.Notebook PC

■ Product Identification

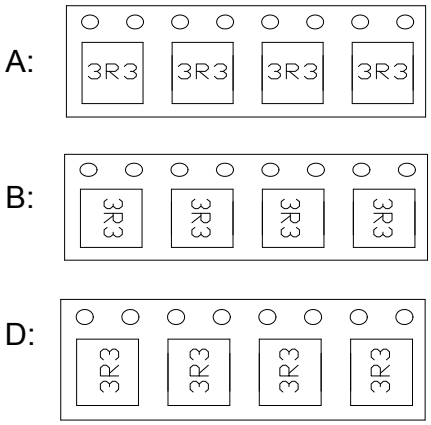
CDRH 104R - 150 M B
1 2 3 4 5

1. Series name
2. Dimension
3. Inductance(150=15uH)
4. Tolerance(N:30%,M:20%,K:10%)
※ 5. Lettering direction

■ Configurations & Dimensions



※ Lettering direction



Series Name	A	B	C	D	E	a(Ref)	b(Ref)	c(Ref)
FHWRH103R	10.0±0.3	10.3±0.3	2.8±0.3	3.0±0.2	1.2±0.2	3.2	1.6	7.3
FHWRH104R	10.0±0.3	10.3±0.3	3.8±0.3	3.0±0.2	1.2±0.2	3.2	1.6	7.3
FHWRH105R	10.0±0.3	10.3±0.3	4.8±0.3	3.0±0.2	1.2±0.2	3.2	1.6	7.3

Unit: mm

品牌；FHW-丰辉旺电感
深圳市丰辉旺科技有限公司；联系电话；18503051681李生同微信号
www.jh-dzcl.com

SMD Shielded Power Inductors-CDRH Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHWRH103R-R80N	0.8	100/0.25	0.006	11.20	8.30
FHWRH103R-1R5N	1.5		0.011	8.00	5.80
FHWRH103R-2R2N	2.2		0.017	6.70	5.10
FHWRH103R-3R3N	3.3		0.021	5.56	4.70
FHWRH103R-4R7N	4.7		0.030	4.65	4.00
FHWRH103R-6R8N	5.6		0.035	3.84	3.60
FHWRH103R-8R2N	8.2		0.050	3.54	3.00
FHWRH103R-100M	10		0.059	3.18	2.80
FHWRH103R-150M	15		0.091	2.60	2.05
FHWRH103R-180M	18		0.143	2.16	1.60
FHWRH103R-220M	22		0.202	1.74	1.35
FHWRH103R-330M	33		0.299	1.43	1.20
FHWRH103R-470M	47		0.325	1.36	1.15
FHWRH103R-680M	68		0.429	1.22	0.95
FHWRH103R-820M	82		0.494	1.14	0.80
FHWRH103R-101M	100		0.683	1.02	0.70
FHWRH103R-121M	120		0.754	0.89	0.65
FHWRH103R-151M	150		0.871	0.84	0.51

※ Saturation Rated Current that will cause initial inductance value approximately 35% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-CDRH Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHWRH104R-1R5N	1.5	100/0.25	0.006	10.00	6.50
FHWRH104R-2R7N	2.7		0.011	7.50	6.10
FHWRH104R-3R9N	3.9		0.013	6.00	5.50
FHWRH104R-4R7N	4.7		0.022	5.50	5.40
FHWRH104R-6R8N	6.8		0.027	4.80	4.50
FHWRH104R-100M	10		0.035	4.40	3.80
FHWRH104R-120M	12		0.046	3.70	3.40
FHWRH104R-150M	15		0.050	3.60	3.10
FHWRH104R-180M	18		0.069	3.10	2.60
FHWRH104R-220M	22		0.073	2.90	2.50
FHWRH104R-270M	27		0.088	2.60	2.30
FHWRH104R-330M	33		0.093	2.30	2.20
FHWRH104R-470M	47		0.128	2.10	1.90
FHWRH104R-680M	68		0.213	1.50	1.42
FHWRH104R-820M	82		0.283	1.45	1.30
FHWRH104R-101M	100		0.304	1.35	1.25
FHWRH104R-121M	120		0.375	1.20	1.08
FHWRH104R-151M	150		0.506	1.15	0.85
FHWRH104R-181M	180		0.568	1.00	0.75
FHWRH104R-221M	220		0.756	0.92	0.70
FHWRH104R-271M	270		0.853	0.84	0.55
FHWRH104R-331M	330		1.090	0.70	0.52

※ Saturation Rated Current that will cause initial inductance value approximately 35% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-CDRH Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHWRH105R-1R5N	1.5	100/0.25	0.006	8.30	10.50
FHWRH105R-2R2N	2.2		0.008	7.50	9.25
FHWRH105R-3R3N	3.3		0.011	6.50	7.80
FHWRH105R-4R7N	4.7		0.013	6.10	6.40
FHWRH105R-6R8N	6.8		0.018	5.40	5.40
FHWRH105R-100M	10		0.026	4.50	4.45
FHWRH105R-120M	12		0.033	3.80	4.00
FHWRH105R-150M	15		0.041	3.40	3.60
FHWRH105R-180M	18		0.046	3.10	3.20
FHWRH105R-220M	22		0.061	2.90	2.95
FHWRH105R-270M	27		0.069	2.60	2.70
FHWRH105R-330M	33		0.084	2.50	2.40
FHWRH105R-470M	47		0.130	2.00	2.00
FHWRH105R-680M	68		0.201	1.60	1.65
FHWRH105R-820M	82		0.227	1.45	1.50
FHWRH105R-101M	100		0.253	1.35	1.35
FHWRH105R-121M	120		0.303	1.18	1.28
FHWRH105R-151M	150		0.370	1.10	1.12
FHWRH105R-181M	180		0.419	1.00	1.04
FHWRH105R-221M	220		0.500	0.94	0.94
FHWRH105R-271M	270		0.672	0.80	0.84
FHWRH105R-331M	330		0.812	0.73	0.75
FHWRH105R-471M	470		1.289	0.54	0.60
FHWRH105R-561M	560		1.430	0.52	0.54
FHWRH105R-681M	680		1.599	0.51	0.52
FHWRH105R-102M	1000		1.989	0.42	0.48

※ Saturation Rated Current that will cause initial inductance value approximately 35% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-CDRH-D Series



■ Feature

1.Various high power inductors are superior to be high saturation
2.Suitable for surface mounting equipment
3.Excellent solderability and high heat resistance

■ Applications

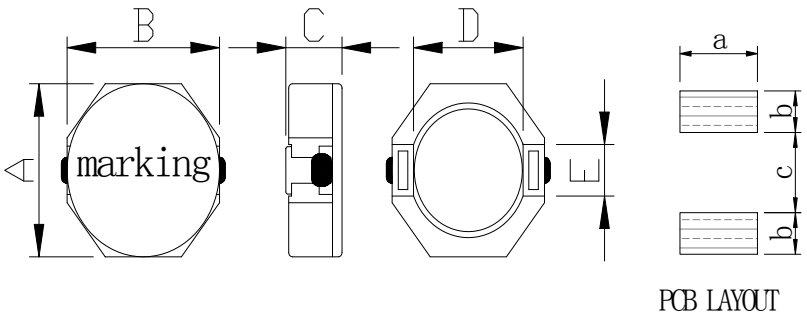
1.Ideally used in power supply for VTR
2.Digital camera
3.DC-DC Converter
4.OA equipment
5.LCD television
6.Notebook PC

■ Product Identification

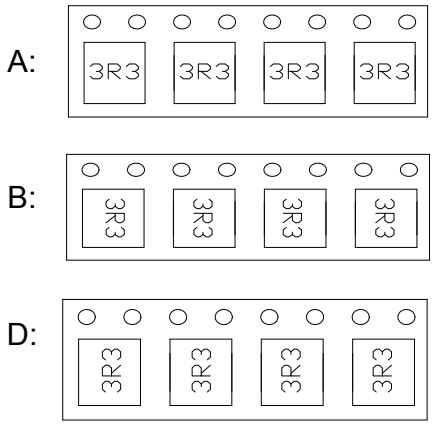
CDRH 8D28 - 150 M B
1 2 3 4 5

1. Series name
2. Dimension
3. Inductance(150=15uH)
4. Tolerance(N:30%,M:20%,K:10%)
※ 5. Lettering direction

■ Configurations & Dimensions



※ Lettering direction



Series Name	A	B	C(Max)	D(Ref)	E(Ref)	a(Ref)	b(Ref)	c(Ref)
CDRH8D28	8.0±0.3	8.0±0.3	3.0	6.3	2.5	2.8	2.0	6.1
CDRH8D38	8.0±0.3	8.0±0.3	4.0	6.3	2.5	2.8	2.0	6.1
CDRH8D43	8.0±0.3	8.0±0.3	4.5	6.3	2.5	2.8	2.0	6.1

Unit: mm

SMD Shielded Power Inductors-CDRH-D Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHWRH8D28-1R0N	1.0	100/0.25	0.011	6.50	7.00
FHWRH8D28-2R5N	2.5		0.016	4.50	6.40
FHWRH8D28-3R3N	3.3		0.019	4.00	6.00
FHWRH8D28-4R7N	4.7		0.025	3.40	4.50
FHWRH8D28-6R8N	6.8		0.039	2.80	3.40
FHWRH8D28-100M	10		0.047	2.50	3.20
FHWRH8D28-150M	15		0.069	1.90	2.35
FHWRH8D28-220M	22		0.099	1.60	1.85
FHWRH8D28-330M	33		0.156	1.30	1.49
FHWRH8D28-470M	47		0.195	1.15	1.30
FHWRH8D28-680M	68		0.286	0.92	0.98
FHWRH8D28-101M	100		0.430	0.75	0.80

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHWRH8D38-1R8N	1.0	100/0.25	0.016	7.00	6.80
FHWRH8D38-2R5N	2.5		0.018	6.50	6.00
FHWRH8D38-3R3N	3.3		0.024	5.00	5.20
FHWRH8D38-4R7N	4.7		0.029	4.60	4.40
FHWRH8D38-6R8N	6.8		0.032	4.20	4.00
FHWRH8D38-100M	10		0.048	3.00	3.20
FHWRH8D38-150M	15		0.067	2.75	2.50
FHWRH8D38-220M	22		0.105	2.30	2.00
FHWRH8D38-330M	33		0.157	1.75	1.60
FHWRH8D38-470M	47		0.189	1.52	1.42
FHWRH8D38-680M	68		0.290	1.30	1.06
FHWRH8D38-101M	100		0.410	1.05	0.88

※ Saturation Rated Current that will cause initial inductance value approximately 35% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

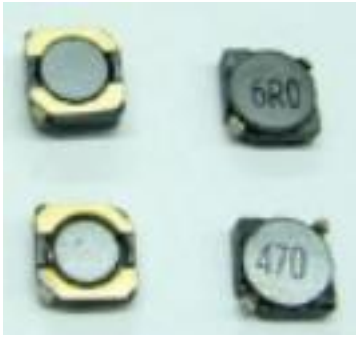
SMD Shielded Power Inductors-CDRH-D Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH8D43-1R0N	1.0	100/0.25	0.010	6.60
FHWRH8D43-1R2N	1.2		0.013	6.20
FHWRH8D43-2R2N	2.2		0.014	5.50
FHWRH8D43-3R9N	3.9		0.019	4.50
FHWRH8D43-4R7N	4.7		0.022	4.10
FHWHR8D43-6R8N	6.8		0.025	3.90
FHWRH8D43-100M	10		0.036	0.32
FHWRH8D43-150M	15		0.053	0.23
FHWRH8D43-220M	22		0.075	1.80
FHWRH8D43-330M	33		0.125	1.40
FHWRH8D43-470M	47		0.150	1.30
FHWRH8D43-680M	68		0.240	1.00
FHWRH8D43-101M	100		0.360	0.80

※ Saturation Rated Current that will cause initial inductance value approximately 35% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-CDRH-D Series



■ Feature

1.Various high power inductors are superior to be high saturation
2.Suitable for surface mounting equipment
3.Excellent solderability and high heat resistance

■ Applications

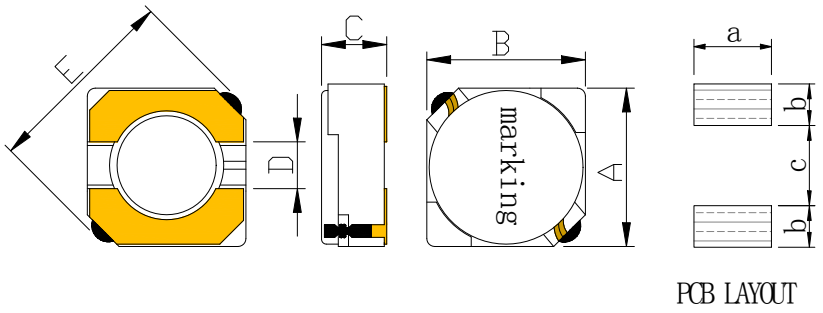
1.Ideally used in power supply for VTR
2.Digital camera
3.DC-DC Converter
4.OA equipment
5.LCD television
6.Notebook PC

■ Product Identification

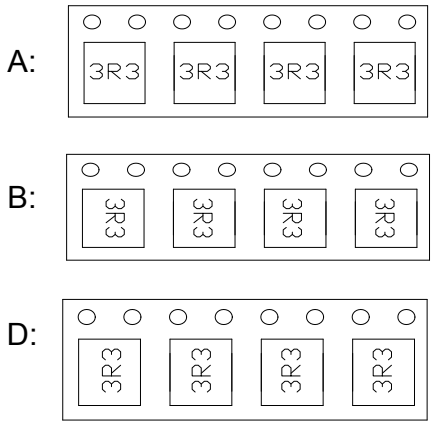
CDRH 4D28 - 150 M B
1 2 3 4 5

1. Series name
2. Dimension
3. Inductance(150=15uH)
4. Tolerance(N:30%,M:20%,K:10%)
※ 5. Lettering direction

■ Configurations & Dimensions



※ Lettering direction



Series Name	A	B	C(Max)	D(Ref)	E(Max)	a(Ref)	b(Ref)	c(Ref)
CDRH3D16	3.8±0.2	3.8±0.2	1.8	1.15	5.2	3.2	1.6	4.4
CDRH3D28	3.8±0.2	3.8±0.2	3.1	1.15	5.2	3.2	1.6	4.4
CDRH4D18	4.7±0.3	4.7±0.3	2.0	1.50	6.9	3.2	1.6	5.3
CDRH4D28	4.7±0.3	4.7±0.3	3.0	1.50	6.9	3.2	1.6	5.3
CDRH5D28	5.7±0.3	5.7±0.3	3.0	2.00	8.2	3.2	1.6	6.3
CDRH6D28	6.7±0.3	6.7±0.3	3.0	2.00	9.5	3.2	1.6	7.3
CDRH6D38	6.7±0.3	6.7±0.3	4.0	2.00	9.5	3.2	1.6	7.3

Unit: mm

SMD Shielded Power Inductors-CDRH-D Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH3D16-R47N	0.47	100/0.25	0.035	2.75
FHWRH3D16-1R0N	1.0		0.050	1.90
FHWRH3D16-1R5N	1.5		0.052	1.55
FHWRH3D16-2R2N	2.2		0.072	1.20
FHWRH3D16-3R3N	3.3		0.085	1.10
FHWRH3D16-4R7N	4.7		0.105	0.90
FHWRH3D16-6R8N	6.8		0.170	0.73
FHWRH3D16-100M	10		0.210	0.55
FHWRH3D16-150M	15		0.295	0.45
FHWRH3D16-220M	22		0.430	0.40
FHWRH3D16-330M	33		0.675	0.32

※ Rated Current that will cause initial inductance value approximately 35% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

品牌；FHW-丰辉旺电感

SMD Shielded Power Inductors-CDRH-D Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH3D28-100M	10	100/0.25	0.092	0.50
FHWRH3D28-120M	12		0.100	0.45
FHWRH3D28-150M	15		0.113	0.40
FHWRH3D28-220M	22		0.125	0.35
FHWRH3D28-270M	27		0.146	0.33
FHWRH3D28-330M	33		0.176	0.29
FHWRH3D28-390M	39		0.214	0.28
FHWRH3D28-470M	47		0.225	0.25
FHWRH3D28-560M	56		0.304	0.23
FHWRH3D28-680M	68		0.327	0.20
FHWRH3D28-820M	82		0.472	0.18
FHWRH3D28-101M	100		0.539	0.16
FHWRH3D28-121M	120		0.608	0.13
FHWRH3D28-151M	150		0.882	0.12
FHWRH3D28-221M	220		1.269	0.10

※ Rated Current that will cause initial inductance value approximately 35% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

品牌；FHW-丰辉旺电感

SMD Shielded Power Inductors-CDRH-D Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH4D18-1R0N	1.0	100/0.25	0.045	1.72
FHWRH4D18-2R2N	2.2		0.075	1.32
FHWRH4D18-2R7N	2.7		0.105	1.28
FHWRH4D18-3R3N	3.3		0.110	1.04
FHWRH4D18-3R9N	3.9		0.155	0.88
FHWRH4D18-4R7N	4.7		0.162	0.84
FHWRH4D18-5R6N	5.6		0.170	0.80
FHWRH4D18-6R8M	6.8		0.200	0.76
FHWRH4D18-8R2M	8.2		0.245	0.68
FHWRH4D18-100M	10		0.200	0.61
FHWRH4D18-120M	12		0.210	0.56
FHWRH4D18-150M	15		0.240	0.50
FHWRH4D18-180M	18		0.338	0.48
FHWRH4D18-220M	22		0.397	0.41
FHWRH4D18-270M	27		0.411	0.35
FHWRH4D18-330M	33		0.694	0.32
FHWRH4D18-390M	39		0.709	0.30
FHWRH4D18-470M	47		0.922	0.28
FHWRH4D18-680M	68		1.300	0.24
FHWRH4D18-101M	100		1.730	0.20
FHWRH4D18-121M	120		2.390	0.18
FHWRH4D18-151M	150		2.760	0.15
FHWRH4D18-181M	180		4.000	0.14

※ Rated Current that will cause initial inductance value approximately 35% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-CDRH-D Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH4D28-1R2N	1.2	100/0.25	0.024	2.56
FHWRH4D28-1R8N	1.8		0.028	2.20
FHWRH4D28-2R2N	2.2		0.031	2.04
FHWRH4D28-3R3N	3.3		0.049	1.57
FHWRH4D28-3R9N	3.9		0.065	1.44
FHWRH4D28-4R7N	4.7		0.072	1.32
FHWRH4D28-5R6N	5.6		0.101	1.17
FHWRH4D28-6R8M	6.8		0.109	1.12
FHWRH4D28-8R2M	8.2		0.118	1.04
FHWRH4D28-100M	10		0.128	1.00
FHWRH4D28-120M	12		0.132	0.84
FHWRH4D28-150M	15		0.149	0.76
FHWRH4D28-180M	18		0.166	0.72
FHWRH4D28-220M	22		0.235	0.70
FHWRH4D28-270M	27		0.261	0.58
FHWRH4D28-330M	33		0.378	0.56
FHWRH4D28-390M	39		0.384	0.50
FHWRH4D28-470M	47		0.587	0.48
FHWRH4D28-680M	68		0.699	0.35
FHWRH4D28-101M	100		1.020	0.29
FHWRH4D28-121M	120		1.270	0.27
FHWRH4D28-151M	150		1.350	0.24
FHWRH4D28-181M	180		1.540	0.22
FHWRH4D28-221M	220		1.720	0.20
FHWRH4D28-271M	270		1.950	0.16
FHWRH4D28-331M	330		2.660	0.14
FHWRH4D28-391M	390		2.830	0.13

※ Rated Current that will cause initial inductance value approximately 35% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-CDRH-D Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH5D28-1R0N	1.0	100/0.25	0.015	2.80
FHWRH5D28-2R2N	2.2		0.023	2.60
FHWRH5D28-5R6N	5.6		0.038	1.90
FHWRH5D28-8R2N	8.2		0.053	1.60
FHWRH5D28-100M	10		0.065	1.30
FHWRH5D28-120M	12		0.076	1.20
FHWRH5D28-150M	15		0.110	1.00
FHWRH5D28-180M	18		0.122	0.90
FHWRH5D28-220M	22		0.189	0.75
FHWRH5D28-330M	33		0.260	0.62
FHWRH5D28-470M	47		0.355	0.52
FHWRH5D28-680M	68		0.520	0.42
FHWRH5D28-101M	100		0.680	0.35
FHWRH5D28-151M	150		0.930	0.32
FHWRH5D28-181M	180		1.150	0.30
FHWRH5D28-221M	220		1.560	0.27
FHWRH5D28-331M	330		1.980	0.25

※ Rated Current that will cause initial inductance value approximately 35% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-CDRH-D Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH6D28-3R0N	3.0	100/0.25	0.024	3.00
FHWRH6D28-3R9N	3.9		0.027	2.60
FHWRH6D28-5R0N	5.0		0.033	2.40
FHWRH6D28-6R0N	6.0		0.035	2.25
FHWRH6D28-7R3N	7.3		0.054	2.10
FHWRH6D28-8R6N	8.6		0.058	1.85
FHWRH6D28-100M	10		0.065	1.70
FHWRH6D28-120M	12		0.070	1.55
FHWRH6D28-150M	15		0.084	1.40
FHWRH6D28-180M	18		0.095	1.32
FHWRH6D28-220M	22		0.128	1.20
FHWRH6D28-270M	27		0.142	1.05
FHWRH6D28-330M	33		0.165	0.97
FHWRH6D28-390M	39		0.210	0.86
FHWRH6D28-470M	47		0.238	0.80
FHWRH6D28-560M	56		0.277	0.73
FHWRH6D28-680M	68		0.304	0.65
FHWRH6D28-820M	82		0.390	0.60
FHWRH6D28-101M	100		0.535	0.54
FHWRH6D28-121M	120		0.750	0.51
FHWRH6D28-151M	150		0.950	0.47
FHWRH6D28-181M	180		1.200	0.41
FHWRH6D28-221M	220		1.500	0.37
FHWRH6D28-271M	270		1.700	0.33
FHWRH6D28-331M	330		2.150	0.28
FHWRH6D28-391M	390		2.250	0.27
FHWRH6D28-471M	470		3.150	0.21

※ Rated Current that will cause initial inductance value approximately 35% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-CDRH-D Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH6D38-3R0N	3.0	100/0.25	0.020	3.00
FHWRH6D38-5R0N	3.9		0.024	2.60
FHWRH6D38-6R2N	5.0		0.027	2.40
FHWRH6D38-7R3N	6.0		0.031	2.25
FHWRH6D38-8R6N	8.6		0.034	1.85
FHWRH6D38-100M	10		0.038	1.70
FHWRH6D38-120M	12		0.053	1.55
FHWRH6D38-150M	15		0.057	1.40
FHWRH6D38-180M	18		0.092	1.32
FHWRH6D38-220M	22		0.096	1.20
FHWRH6D38-270M	27		0.109	1.05
FHWRH6D38-330M	33		0.124	0.97
FHWRH6D38-390M	39		0.138	0.86
FHWRH6D38-470M	47		0.155	0.80
FHWRH6D38-560M	56		0.202	0.73
FHWRH6D38-680M	68		0.234	0.65
FHWRH6D38-820M	82		0.324	0.60
FHWRH6D38-101M	100		0.358	0.54
FHWRH6D38-121M	120		0.470	0.51
FHWRH6D38-151M	150		0.580	0.47
FHWRH6D38-181M	180		0.690	0.41
FHWRH6D38-221M	220		0.890	0.37
FHWRH6D38-271M	270		1.290	0.33
FHWRH6D38-331M	330		1.700	0.28
FHWRH6D38-471M	470		2.200	0.27
FHWRH6D38-681M	680		3.200	0.21

※ Rated Current that will cause initial inductance value approximately 35% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HM Series



■ Feature

1.Low profile.high current power supplies
2.Low loss realized with low DCR
3.Ultra low buzz noise

■ Applications

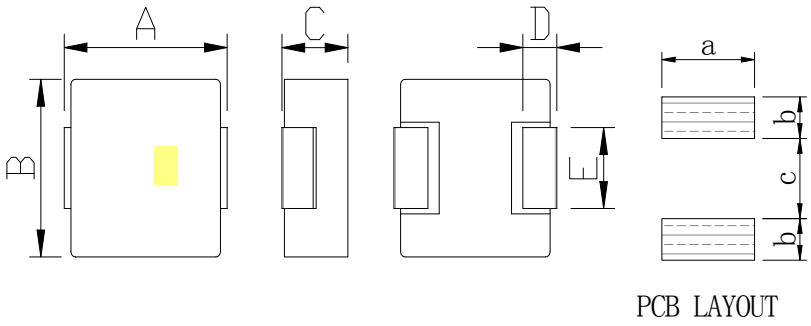
1.Ideally used in NB/Desktop/Server/Graphic card
2.LCD TV
3.Projector
4.Etc as DC-DC Converter

■ Product Identification

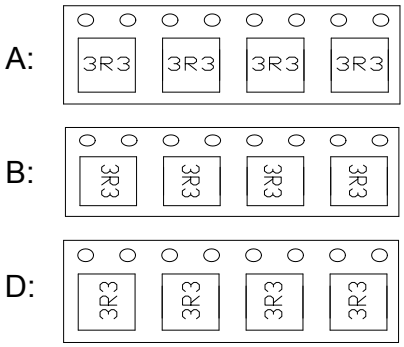
HM 0630 - 150 M B
1 2 3 4 5

1. Series name
2. Dimension
3. Inductance(150=15uH)
4. Tolerance(N:30%,M:20%,K:10%)
※ 5. Lettering direction

■ Configurations & Dimensions



※ Lettering direction



Series Name	A(Max)	B(Max)	C(Max)	D	E	a(Ref)	b(Ref)	c(Ref)
FHW0420	4.9	4.5	2.0	1.0±0.3	1.5±0.5	2.5	1.5	2.1
FHW0520	5.9	5.2	2.0	1.0±0.3	2.0±0.5	3.0	1.5	3.0
FHW0530	5.9	5.2	3.0	1.0±0.3	2.0±0.5	3.0	1.5	3.0
FHW0620	7.8	7.0	2.0	1.5±0.5	3.0±0.3	4.0	2.1	3.7
FHW0630	7.8	7.0	3.0	1.5±0.5	3.0±0.3	4.0	2.1	3.7
FHW0650	7.8	7.0	5.0	1.5±0.5	3.0±0.3	4.0	2.1	3.7
FHW1030	11.8	10.8	3.0	2.0±0.5	3.0±0.5	4.0	3.0	5.4
FHW1040	11.8	10.8	4.0	2.0±0.5	3.0±0.5	4.0	3.0	5.4
FHW1050	11.8	10.8	5.0	2.0±0.5	3.0±0.5	4.0	3.0	5.4
FHW1340	14.5	13.5	4.0	2.5±0.5	3.5±0.5	4.5	3.3	8.0
FHW1350	14.5	13.5	5.0	2.5±0.5	3.5±0.5	4.5	3.3	8.0

Unit: mm

SMD Shielded Power Inductors-HM Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (mΩ)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW0420-R22M	0.22	100/0.25	8.0	12.0	9.0
FHW0420-R33M	0.33		10	11.0	8.0
FHW0420-R36M	0.36		12	10.0	7.0
FHW0420-R47M	0.47		14	9.5	6.0
FHW0420-R56M	0.56		18	8.0	5.0
FHW0420-R68M	0.68		21	7.5	4.8
FHW0420-1R0M	1.0		27	7.0	4.5
FHW0420-1R5M	1.5		45	6.0	4.0
FHW0420-2R2M	2.2		58	5.0	3.0
FHW0420-3R3M	3.3		90	3.0	2.0
FHW0420-4R7M	4.7		150	2.8	1.8
FHW0420-6R8M	6.8		170	2.5	1.6
FHW0420-100M	10		200	1.8	1.5

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (mΩ)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW0520-R22M	0.22	100/0.25	6.0	16.0	10.5
FHW0520-R33M	0.33		9.0	15.0	10.0
FHW0520-R47M	0.47		10	12.0	9.0
FHW0520-R68M	0.68		16	11.0	7.0
FHW0520-1R0M	1.0		17	8.0	6.5
FHW0520-1R5M	1.5		28	7.0	5.0
FHW0520-2R2M	2.2		45	6.0	4.0
FHW0520-3R3M	3.3		80	5.0	3.5
HM0520-4R7M	4.7		85	3.5	3.0
FHW0520-6R8M	6.8		100	3.0	2.0
FHW0520-100M	10		190	2.5	1.5

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD shielded Power Inductors-HM Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (mΩ)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW0530-R47M	0.47	100/0.25	11	13.0	10.0
FHW0530-R68M	0.68		12	12.0	9.0
FHW0530-1R0M	1.0		16	11.0	7.0
FHW0530-1R5M	1.5		22	10.0	5.0
FHW0530-2R2M	2.2		35	9.0	4.0
FHW0530-3R3M	3.3		38	7.0	3.5
FHW0530-4R7M	4.7		60	5.0	3.0
FHW0530-6R8M	6.8		90	3.5	2.5
FHW0530-100M	10		100	3.0	2.0
FHW0530-150M	15		165	2.0	1.5
FHW0530-220M	22		230	1.5	1.3

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (mΩ)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW0620-R68M	0.68	100/0.25	10	16.0	10.5
FHW0620-1R0M	1.0		20	14.0	7.0
FHW0620-1R5M	1.5		30	12.0	6.0
FHW0620-2R2M	2.2		35	10.0	5.0
FHW0620-3R3M	3.3		64	7.5	3.5
FHW0620-4R7M	4.7		70	6.0	3.3
FHW0620-6R8M	6.8		100	4.0	3.0
FHW0620-100M	10		154	3.5	2.8

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

品牌；FHW-丰辉旺电感

SMD Shielded Power Inductors-HM Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (mΩ)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW0630-R22M	0.22	100/0.25	3.0	40.0	20.0
FHW0630-R33M	0.33		4.0	30.0	19.0
FHW0630-R47M	0.47		5.0	25.0	17.5
FHW0630-R56M	0.56		6.0	24.0	15.5
FHW0630-R68M	0.68		7.0	23.0	14.0
FHW0630-R82M	0.82		8.0	20.0	13.0
FHW0630-1R0M	1.0		9.0	16.0	11.0
FHW0630-1R5M	1.5		15	14.0	9.0
FHW0630-2R2M	2.2		20	12.0	8.0
FHW0630-3R3M	3.3		30	10.0	6.0
FHW0630-4R7M	4.7		40	9.0	5.5
FHW0630-5R6M	5.6		60	7.0	5.0
FHW0630-6R8M	6.8		70	6.0	4.5
FHW0630-8R2M	8.2		80	5.8	4.0
FHW0630-100M	10		105	5.5	3.0
FHW0630-150M	15		140	4.0	2.8
FHW0630-220M	22		167	3.5	2.5
FHW0630-330M	33		280	2.0	1.0
FHW0630-470M	47		290	1.8	0.8

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HM Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (mΩ)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW0650-R22M	0.22	100/0.25	4.0	35.0	20.0
FHW0650-R47M	0.47		5.0	25.0	18.0
FHW0650-R56M	0.56		6.0	23.0	17.0
FHW0650-R68M	0.68		7.0	19.0	14.0
FHW0650-R82M	0.82		8.0	18.0	13.5
FHW0650-1R0M	1.0		9.0	17.0	13.0
FHW0650-1R5M	1.5		10	12.0	11.5
FHW0650-2R2M	2.2		13	11.0	8.0
FHW0650-3R3M	3.3		20	9.0	7.0
FHW0650-4R7M	4.7		27	7.0	6.0
FHW0650-5R6M	5.6		30	6.0	5.3
FHW0650-6R8M	6.8		38	5.8	5.0
FHW0650-8R2M	8.2		40	5.5	4.0
FHW0650-100M	10		60	5.3	3.5
FHW0650-150M	15		86	5.0	3.0
FHW0650-220M	22		95	4.0	2.4
FHW0650-330M	33		237	3.0	2.0
FHW0650-470M	47		280	2.0	1.6
FHW0650-680M	68		310	1.8	1.3

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (mΩ)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW1030-1R0M	1.0	100/0.25	7.0	18.0	13.0
FHW1030-1R5M	1.5		9.0	16.0	10.0
FHW1030-2R2M	2.2		12	14.0	9.0
FHW1030-4R7M	4.7		25	8.5	6.0
FHW1030-8R2M	8.2		55	6.0	4.0
FHW1030-100M	10		56	5.0	3.8
FHW1030-150M	15		65	4.0	3.5

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HM Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (mΩ)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW1040-R22M	0.22	100/0.25	1.0	60.0	30.0
FHW1040-R33M	0.33		1.5	50.0	29.0
FHW1040-R36M	0.36		1.6	45.0	28.0
FHW1040-R47M	0.47		1.8	38.0	26.0
FHW1040-R56M	0.56		2.0	33.0	23.0
FHW1040-R68M	0.68		3.0	32.0	22.0
FHW1040-R82M	0.82		3.5	30.0	21.0
FHW1040-1R0M	1.0		5.0	28.0	18.0
FHW1040-1R5M	1.5		6.0	27.0	16.0
FHW1040-2R2M	2.2		9.0	25.0	12.0
FHW1040-3R3M	3.3		14	16.0	10.0
FHW1040-4R7M	4.7		20	14.0	8.0
FHW1040-5R6M	5.6		25	13.0	7.5
FHW1040-6R8M	6.8		28	12.0	7.0
FHW1040-8R2M	8.2		33	9.0	6.0
FHW1040-100M	10		40	8.7	5.0
FHW1040-120M	12		48	8.0	4.5
FHW1040-150M	15		54	7.0	4.0
FHW1040-220M	22		60	6.0	3.5
FHW1040-330M	33		145	4.5	3.0
FHW1040-470M	47		175	3.0	2.5
FHW1040-680M	68		220	2.5	2.0
FHW1040-101M	100		270	2.0	1.0

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HM Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (mΩ)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW1050-R82M	0.82	100/0.25	3.0	32.0	16.0
FHW1050-1R0M	1.0		4.0	30.0	15.0
FHW1050-1R8M	1.8		6.0	27.5	14.5
FHW1050-2R2M	2.2		8.0	27.0	14.0
FHW1050-3R3M	3.3		11	19.0	10.0
FHW1050-4R7M	4.7		17	14.0	9.0
FHW1050-6R8M	6.8		22	10.0	8.0
FHW1050-100M	10		38	9.0	6.8
FHW1050-150M	15		45	8.0	6.0
FHW1050-220M	22		60	7.0	5.0
FHW1050-330M	33		145	6.0	3.5

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (mΩ)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW1340-R22M	0.22	100/0.25	2.0	55.0	23.0
FHW1340-R60M	0.60		3.0	40.0	22.0
FHW1340-1R0M	1.0		4.0	38.0	19.0
FHW1340-1R5M	1.5		5.0	30.0	16.0
FHW1340-2R2M	2.2		10	22.0	15.0
FHW1340-3R3M	3.3		11	20.0	14.0
FHW1340-4R7M	4.7		14	15.0	9.0
FHW1340-6R8M	6.8		24	12.0	7.0
FHW1340-100M	10		35	10.0	6.0
FHW1340-220M	22		80	7.0	4.0

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Shielded Power Inductors-HM Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (mΩ)MAX	Saturation Current (A)	Heat Rating Current(A)
FHW1350-R33M	0.33	100/0.25	2.0	60.0	32.0
FHW1350-R36M	0.36		2.0	50.0	28.0
FHW1350-R47M	0.47		2.0	48.0	25.0
FHW1350-R56M	0.56		2.0	46.0	23.0
FHW1350-R68M	0.68		2.0	40.0	20.0
FHW1350-R82M	0.82		3.0	39.0	19.0
FHW1350-1R0M	1.0		4.0	35.0	18.0
FHW1350-1R5M	1.5		5.0	33.0	17.5
FHW1350-1R8M	1.8		5.0	30.0	17.0
FHW1350-2R2M	2.2		5.0	25.0	16.0
FHW1350-3R3M	3.3		13	23.0	15.0
FHW1350-4R7M	4.7		15	21.0	12.0
FHW1350-5R6M	5.6		17	20.0	11.5
FHW1350-6R8M	6.8		19	18.0	11.0
FHW1350-8R2M	8.2		23	17.0	10.0
FHW1350-100M	10		26	13.0	6.0
FHW1350-150M	15		60	12.0	5.5
FHW1350-220M	22		75	8.0	4.0
FHW1350-330M	33		82	6.0	3.0
FHW1350-470M	47		90	3.5	2.5
FHW1350-560M	56		180	3.3	2.0
FHW1350-680M	68		210	3.0	1.5

※ Saturation Rated Current that will cause initial inductance value approximately 30% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

DIP Unshielded Power Inductors-HK Series



■ Feature

1. Low cost
2. Wide range of inductance
3. Small mounting space required
4. The other types with low DCR,large current,best for the power supply line

■ Applications

1. Power suplies,DC-DC converters,TVs,VTRs
2. Computer,computer peripherals
3. Home electric appliance,Ect

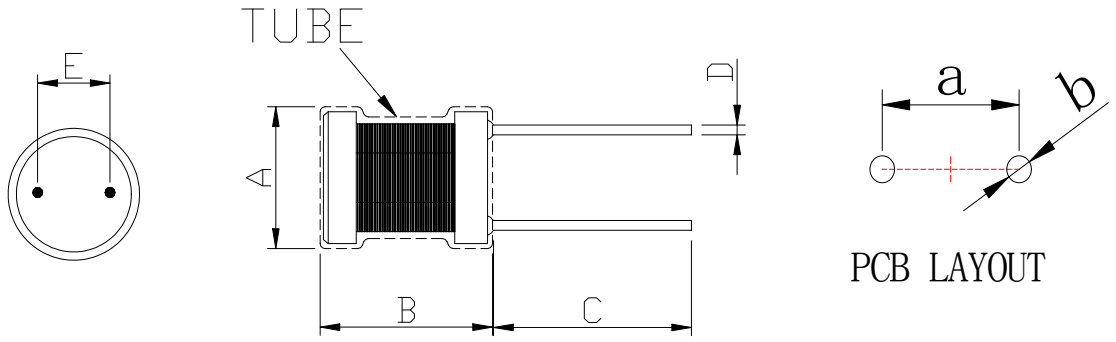
■ Product Identification

HK 0810 - 150 M - P15

1 2 3 4 5

1. Series name
2. Dimension
3. Inductance(150=15uH)
4. Tolerance(N:30%,M:20%,K:10%)
5. Leg Length

■ Configurations & Dimensions



Series Name	A(Max)	B(Max)	C(Ref)	D(Ref)	E	a	b
FHW0406	5.5	8.0	15.0	0.50	2.0±0.5	2.0	0.80
FHW0608	7.5	10.0	15.0	0.60	3.0±0.5	3.0	0.90
FHW0810	10.0	13.0	15.0	0.65	5.0±0.5	5.0	0.95
FHW0912	11.0	15.0	15.0	0.80	5.0±0.5	5.0	1.10
FHW1012	12.0	15.0	15.0	0.80	5.0±0.5	5.0	1.10

Unit: mm

DIP Unshielded Power Inductors-HK Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHW0406-1R0M	1.0	100/0.25	0.035	2.00
FHW0406-1R5M	1.5		0.075	1.90
FHW0406-2R2M	2.2		0.120	1.75
FHW0406-3R3M	3.3		0.130	1.50
FHW0406-4R7M	4.7		0.140	1.32
FHW0406-6R8M	6.8		0.150	1.15
FHW0406-100K	10		0.230	1.00
FHW0406-120K	12		0.240	0.97
FHW0406-150K	15		0.250	0.92
FHW0406-180K	18		0.330	0.86
FHW0406-220K	22		0.450	0.80
FHW0406-270K	27		0.500	0.71
FHW0406-330K	33		0.700	0.66
FHW0406-390K	39		0.740	0.60
FHW0406-470K	47		0.760	0.55
FHW0406-560K	56		0.800	0.50
FHW0406-680K	68		0.900	0.47
FHW0406-820K	82		0.950	0.43
FHW0406-101K	100		1.000	0.40
FHW0406-121K	120		1.100	0.37
FHW0406-151K	150		1.300	0.35
FHW0406-181K	180		1.500	0.32
FHW0406-221K	220		1.800	0.30
FHW0406-331K	330		2.200	0.25
FHW0406-471K	470		3.600	0.20
FHW0406-561K	560		4.200	0.19
FHW0406-681K	680		4.600	0.17
FHW0406-821K	820		5.700	0.16

※ Rated Current that will cause initial inductance value approximately 25% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

DIP Unshielded Power Inductors-HK Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHW0608-3R3M	3.3	100/0.25	0.016	3.50
FHW0608-4R7M	4.7		0.020	3.00
FHW0608-6R8M	6.8		0.022	2.50
FHW0608-100K	10		0.039	2.00
FHW0608-150K	15		0.045	1.70
FHW0608-220K	22		0.062	1.40
FHW0608-330K	33		0.100	1.10
FHW0608-470K	47		0.150	0.95
FHW0608-680K	68		0.220	0.80
FHW0608-101K	100		0.350	0.65
FHW0608-151K	150		0.430	0.54
FHW0608-221K	220		0.900	0.44
FHW0608-331K	330		1.500	0.36
FHW0608-471K	470		1.800	0.30
FHW0608-681K	680		2.500	0.25
FHW0608-102K	1000	1/0.25	3.200	0.20
FHW0608-122K	1200		3.500	0.18
FHW0608-152K	1500		4.500	0.17
FHW0608-182K	1800		5.000	0.15
FHW0608-222K	2200		6.800	0.14
FHW0608-272K	2700		7.200	0.12
FHW0608-332K	3300		10.500	0.11
FHW0608-472K	4700		13.600	0.09
FHW0608-682K	6800		19.600	0.08
FHW0608-103K	10000		29.500	0.06
FHW0608-153K	15000		45.400	0.05
FHW0608-223K	22000		80.000	0.04
FHW0608-333K	33000		98.500	0.03

※ Rated Current that will cause initial inductance value approximately 25% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

DIP Unshielded Power Inductors-HK Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHW0810-3R3M	3.3	100/0.25	0.012	5.00
FHW0810-4R7M	4.7		0.016	4.30
FHW0810-6R8M	6.8		0.022	3.70
FHW0810-100K	10		0.025	3.20
FHW0810-150K	15		0.033	2.80
FHW0810-220K	22		0.047	2.40
FHW0810-330K	33		0.075	1.90
FHW0810-470K	47		0.100	1.50
FHW0810-560K	56		0.150	1.30
FHW0810-680K	68		0.180	1.20
FHW0810-820K	82		0.200	1.10
FHW0810-101K	100		0.210	0.90
FHW0810-121K	120		0.220	0.80
FHW0810-151K	150		0.240	0.72
FHW0810-181K	180		0.280	0.65
FHW0810-221K	220		0.350	0.60
FHW0810-331K	330		0.470	0.50
FHW0810-391K	390		0.680	0.46
FHW0810-471K	470		0.800	0.42
FHW0810-561K	560		1.000	0.38
FHW0810-681K	680		1.200	0.35
FHW0810-821K	820		1.500	0.31
FHW0810-102K	1000	1/0.25	1.800	0.28
FHW0810-122K	1200		2.000	0.25
FHW0810-152K	1500		2.400	0.23
FHW0810-182K	1800		2.800	0.21
FHW0810-222K	2200		3.300	0.19
FHW0810-272K	2700		5.000	0.17

※ Rated Current that will cause initial inductance value approximately 25% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

DIP Unshielded Power Inductors-HK Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHW0910-1R0M	1.0	100/0.25	0.011	5.00
FHW0910-1R5M	1.5		0.012	4.80
FHW0910-2R2M	2.2		0.015	4.60
FHW0910-3R3M	3.3		0.017	4.50
FHW0910-4R7M	4.7		0.020	4.00
FHW0910-6R8M	6.8		0.025	3.50
FHW0910-100K	10		0.035	2.80
FHW0910-120K	12		0.040	2.70
FHW0910-150K	15		0.045	2.30
FHW0910-180K	18		0.050	2.10
FHW0910-220K	22		0.060	2.00
FHW0910-330K	33		0.100	1.50
FHW0910-390K	39		0.120	1.40
FHW0910-470K	47		0.125	1.30
FHW0910-560K	56		0.130	1.20
FHW0910-680K	68		0.140	1.00
FHW0910-820K	82		0.150	0.90
FHW0910-101K	100		0.160	0.70
FHW0910-121K	120		0.250	0.68
FHW0910-151K	150		0.280	0.65
FHW0910-181K	180		0.320	0.60
FHW0910-221K	220		0.470	0.50
FHW0910-331K	330		0.600	0.40
FHW0910-471K	470		0.950	0.33
FHW0910-681K	680		1.200	0.25
FHW0910-821K	820		1.300	0.20
FHW0910-102K	1000	1/0.25	1.400	0.18
FHW0910-152K	1500		2.900	0.15

※ Rated Current that will cause initial inductance value approximately 25% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

DIP Unshielded Power Inductors-HK Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHW1012-1R0M	1.0	100/0.25	0.010	6.00
FHW1012-1R5M	1.5		0.012	5.80
FHW1012-2R7M	2.7		0.015	5.50
FHW1012-3R3M	3.3		0.018	5.30
FHW1012-4R7M	4.7		0.023	4.90
FHW1012-6R8M	6.8		0.027	4.60
FHW1012-100K	10		0.031	4.40
FHW012-120K	12		0.033	4.30
FHW1012-150K	15		0.035	4.20
FHW1012-180K	18		0.040	4.00
FHW1012-220K	22		0.045	3.80
FHW1012-330K	33		0.055	3.00
FHW1012-390K	39		0.060	2.50
FHW1012-470K	47		0.080	2.30
FHW1012-560K	56		0.085	2.00
FHW1012-680K	68		0.095	1.90
FHW1012-820K	82		0.110	1.80
FHW1012-101K	100		0.140	1.70
FHW1012-121K	120		0.160	1.50
FHW1012-151K	150		0.180	1.40
FHW1012-181K	180		0.250	1.30
FHW1012-221K	220		0.280	1.00
FHW1012-331K	330		0.540	0.80
FHW1012-471K	470		0.660	0.70
FHW1012-681K	680		0.840	0.55
FHW1012-821K	820		1.080	0.50
FHW1012-102K	1000	1/0.25	1.390	0.45
FHW1012-103K	10000		12.000	0.18

※ Rated Current that will cause initial inductance value approximately 25% rolloff. (Ta=25±5℃)
※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

DIP Unshielded Power Inductors-HK Series



■ Feature

1. Low cost
2. Wide range of inductance
3. Small mounting space required
4. The other types with low DCR,large current,best for the power supply line

■ Applications

1. Power suplies,DC-DC converters,TVs,VTRs
2. Computer,computer peripherals
3. Home electric appliance,Ect

■ Product Identification

HZ 0410 - 150 K

1 2 3 4

1. Series name
2. Dimension
3. Inductance(150=15uH)
4. Tolerance(M:20%,K:10%,J:5%)

■ Configurations & Dimensions

Fig. 1

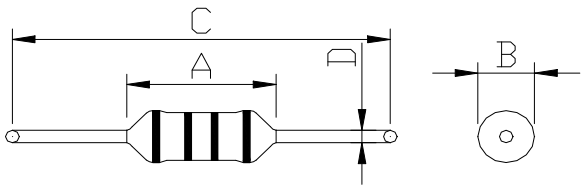
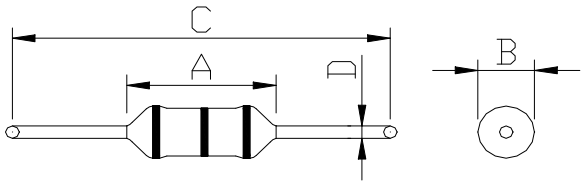


Fig. 2



Series Name	A(Ref)	B(Max)	C(Ref)	D(Ref)	Fig.
FHW0204	4.0	2.0	62.0	0.50	1
FHW0307	8.0	3.0	62.0	0.55	2
FHW0410	11.0	4.0	62.0	0.65	2
FHW0510	12.0	5.0	62.0	0.65	2

Unit: mm

DIP Unshielded Power Inductors-HZ Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (MHz)	Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
FHW0204-R10M	0.10	25.2	35	0.18	700	300
FHW0204-R15M	0.15		35	0.22	620	300
FHW0204-R18M	0.18		35	0.24	600	300
FHW0204-R22M	0.22		35	0.40	400	150
FHW0204-R33M	0.33		35	0.48	370	150
FHW0204-R47M	0.47		35	0.56	330	150
FHW0204-R68M	0.68		35	0.67	310	150
FHW0204-R82M	0.82		35	0.74	290	150
FHW0204-1R0K	1.0		35	0.80	270	150
FHW0204-1R5K	1.5	7.96	40	1.00	250	70
FHW0204-1R8K	1.8		40	1.10	240	60
FHW0204-2R2K	2.2		40	1.20	230	45
FHW0204-3R3K	3.3		40	1.40	210	38
FHW0204-4R7K	4.7		40	1.70	190	32
FHW0204-5R6K	5.6		40	1.90	180	30
FHW0204-6R8K	6.8		40	2.00	175	28
FHW0204-100K	10		40	2.50	165	24
FHW0204-120K	12	2.52	40	2.50	150	22
FHW0204-150K	15		40	2.80	145	20
FHW0204-220K	22		40	3.10	100	17
FHW0204-330K	33		40	4.70	75	14
FHW0204-470K	47		40	5.80	70	12
FHW0204-680K	68		40	7.20	64	10
FHW0204-101K	100		40	12.00	44	9.0
FHW0204-121K	120	0.796	40	13.00	42	8.0
FHW0204-151K	150		40	16.00	39	6.0
FHW0204-181K	180		40	18.00	37	5.0
FHW0204-221K	220		40	20.00	35	5.0
FHW0204-331K	330		40	30.00	25	4.2

DIP Unshielded Power Inductors-HZ Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (MHz)	Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
FHW0307-R10M	0.10	25.2	40	0.06	1400	480
FHW0307-R15M	0.15		40	0.07	1270	420
FHW0307-R18M	0.18		40	0.07	1200	400
FHW0307-R22M	0.22		40	0.08	1150	380
FHW0307-R33M	0.33		40	0.10	1110	350
FHW0307-R47M	0.47		40	0.11	1000	300
FHW0307-R68M	0.68		40	0.13	900	250
FHW0307-R82M	0.82		40	0.14	900	200
FHW0307-1R0K	1.0		40	0.15	815	180
FHW0307-1R5K	1.5	7.96	40	0.20	700	150
FHW0307-1R8K	1.8		50	0.23	655	125
FHW0307-2R2K	2.2		50	0.25	630	110
FHW0307-3R3K	3.3		50	0.30	575	70
FHW0307-4R7K	4.7		50	0.35	530	50
FHW0307-6R8K	6.8		50	0.45	470	30
FHW0307-8R2K	8.2		50	0.56	425	28
FHW0307-100K	10		50	0.75	370	22
FHW0307-120K	12	2.52	50	0.80	350	20
FHW0307-150K	15		50	0.93	335	16
FHW0307-180K	18		50	1.00	315	16
FHW0307-220K	22		50	1.20	285	13
FHW0307-330K	33		50	2.10	255	10
FHW0307-470K	47		50	2.60	205	9
FHW0307-560K	56		50	2.90	195	7.5
FHW0307-680K	68		60	3.30	185	6.5
FHW0307-101K	100		60	4.20	165	5.5
FHW0307-121K	120	0.796	60	4.70	160	5.4
FHW0307-221K	220		60	6.50	130	4.0
FHW0307-471K	470		60	12.50	90	2.4
FHW0307-681K	680		60	18.00	75	2.0
FHW0307-102K	1000		50	30.00	60	1.1

DIP Unshielded Power Inductors-HZ Series

■ Electrical Characteristics

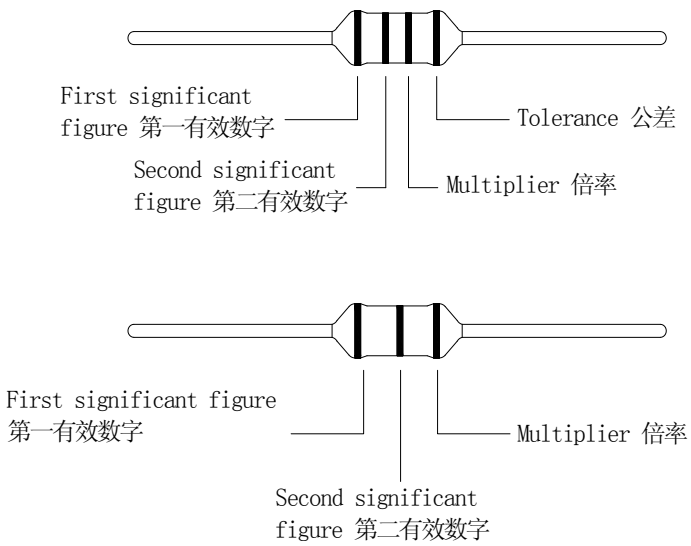
Part Number	Inductance (uH)	Test Freq. (MHz)	Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
FHW0410-R10M	0.10	25.2	25	0.06	1700	480
FHW0410-R15M	0.15		25	0.07	1560	420
FHW0410-R18M	0.18		25	0.07	1480	400
FHW0410-R22M	0.22		25	0.08	1400	380
FHW0410-R33M	0.33		25	0.10	1280	300
FHW0410-R47M	0.47		25	0.13	1150	250
FHW0410-R68M	0.68		25	0.15	1030	210
FHW0410-R82M	0.82		45	0.16	980	172
FHW0410-1R0K	1.0		45	0.17	920	157
FHW0410-1R5K	1.5	7.96	50	0.20	830	131
FHW0410-1R8K	1.8		55	0.22	790	121
FHW0410-2R2K	2.2		55	0.24	750	110
FHW0410-3R3K	3.3		65	0.30	670	94
FHW0410-4R7K	4.7		70	0.40	620	80
FHW0410-6R8K	6.8		75	0.50	550	68
FHW0410-8R2K	8.2		80	0.60	530	53
FHW0410-100K	10		80	0.65	500	45
FHW0410-150K	15	2.52	70	0.75	460	20
FHW0410-180K	18		65	0.80	430	14
FHW0410-220K	22		50	0.90	410	9.9
FHW0410-270K	27		55	1.00	390	7.6
FHW0410-330K	33		55	1.10	370	6.3
FHW0410-470K	47		45	1.30	340	6.3
FHW0410-680K	68		40	1.80	305	5.7
FHW0410-101K	100		30	2.50	275	4.8
FHW0410-181K	180	0.796	70	4.60	165	3.3
FHW0410-221K	220		70	5.10	155	3.0
FHW0410-331K	330		65	6.50	137	2.6
FHW0410-471K	470		60	8.50	126	2.2
FHW0410-681K	680		55	12.00	113	1.9
FHW0410-102K	1000		50	20.00	85	1.4

DIP Unshielded Power Inductors-HZ Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz)		Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
		L	Q				
FHW0510-471K	470	1	796	60	0.06	1700	480
FHW0510-561K	560	1	796	50	0.07	1560	420
FHW0510-681K	680	1	796	55	0.07	1480	400
FHW0510-821K	820	1	796	45	0.08	1400	380
FHW0510-102K	1000	1	252	40	0.10	1280	300
FHW0510-122K	1200	1	252	40	0.13	1150	250
FHW0510-152K	1500	1	252	40	0.15	1030	210
FHW0510-182K	1800	1	252	40	0.16	980	172
FHW0510-222K	2200	1	252	40	0.17	920	157
FHW0510-272K	2700	1	252	40	0.20	830	131
FHW0510-332K	3300	1	252	40	0.22	790	121
FHW0510-392K	3900	1	252	40	0.24	750	110
FHW0510-472K	4700	1	252	40	0.30	670	94
FHW0510-562K	5600	1	252	30	0.40	620	80
FHW0510-682K	6800	1	252	30	0.50	550	68
FHW0510-822K	8200	1	252	30	0.60	530	53
FHW0510-103K	10000	1	252	20	0.65	500	45

Color Coding

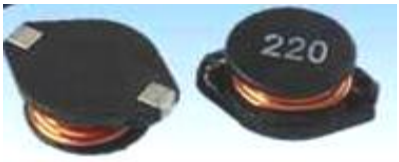


The nominal inductance is marked.Color listed in table below

Color	Nominal inductance(uH)		
	Figure	multiplier	Tolerance
Black	0	×1	±20%
Brown	1	×10	——
Red	2	×100	——
Orange	3	×1000	——
Yellow	4		——
Green	5		——
Blue	6		——
Violet	7		——
Gray	8		——
White	9		——
Gold	——	×0.1	±5%
Silver	——	×0.01	±10%

品牌；FHW-丰辉旺电感

SMD Unshielded Power Inductors-HB Series



■ Feature

1. Low profile very effective in space-applications
2. High energy storage and very low resistance
3. Packed in embossed carrier tape and can be used by autonatic mounting machine

■ Applications

1. Ideally used in Power suplies for VTR,OA equipment
2. Digital camera.lcd television set notebook PC
3. Etc as DC-DC Converter

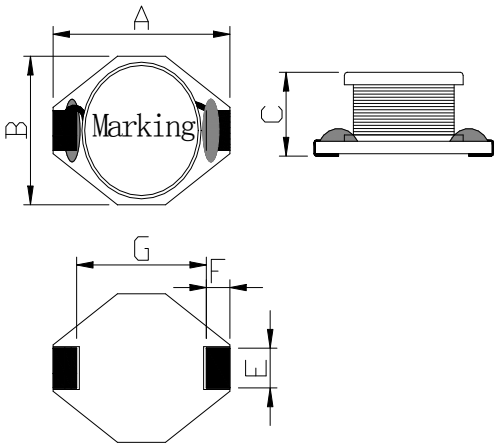
■ Product Identification

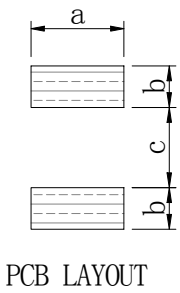
HB 3316 - 150 M - B

1 2 3 4 5

1. Series name
2. Dimension
3. Inductance(150=15uH)
4. Tolerance(N:30%,M:20%,K:10%)
※ 5. Lettering direction

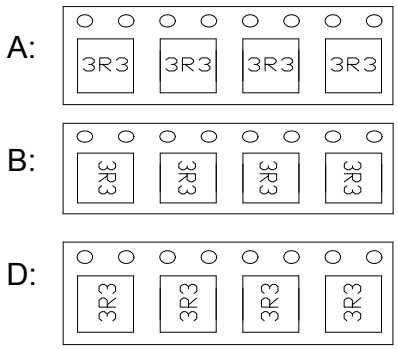
■ Configurations & Dimensions





PCB LAYOUT

※ Lettering direction



Series Name	A(Max)	B(Max)	C(Max)	E(Ref)	F(Ref)	G(Ref)	a	b	c
FHW3308	12.95	9.40	3.50	2.54	2.54	7.62	3.00	2.90	7.30
FHW3316	12.95	9.40	5.21	2.54	2.54	7.62	3.00	2.90	7.30
FHW3340	12.95	9.40	11.43	2.54	2.54	7.62	3.00	2.90	7.30
FHW5022	19.54	15.24	7.11	2.54	2.54	12.70	3.00	2.90	12.40

Unit: mm

SMD Unshielded Power Inductors-HB Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current(A)	Heat Rating Current(A)	SRF Min.(MHz)
FHW3308-100M	10	100/0.25	0.11	2.40	2.00	35
FHW3308-150M	15		0.15	2.00	1.50	33
FHW3308-220M	22		0.23	1.60	1.30	25
FHW3308-330M	33		0.30	1.40	1.10	19
FHW3308-470M	47		0.39	1.00	0.80	14
FHW3308-680M	68		0.66	0.90	0.70	12
FHW3308-101M	100		0.84	0.70	0.60	10
FHW3308-151M	150		1.20	0.60	0.50	8.0
FHW3308-221M	220		1.90	0.50	0.40	6.0
FHW3308-331M	330		2.70	0.40	0.30	5.0
FHW3308-471M	470		4.00	0.30	0.20	4.0
FHW3308-681M	680		5.30	0.20	0.10	3.0
FHW3308-102M	1000		8.40	0.10	0.05	2.5

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Unshielded Power Inductors-HB Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current(A)	Heat Rating Current(A)	SRF Min.(MHz)
FHW3316-1R0M	1.0	100/0.25	0.009	9.00	6.80	100
FHW3316-1R5M	1.5		0.010	8.00	6.40	90
FHW3316-2R2M	2.2		0.012	7.00	6.10	80
FHW3316-3R3M	3.3		0.015	6.40	5.40	65
FHW3316-4R7M	4.7		0.018	5.40	4.80	45
FHW3316-6R8M	6.8		0.027	4.60	4.40	38
FHW3316-100M	10		0.038	3.80	3.90	30
FHW3316-150M	15		0.046	3.00	3.10	27
FHW3316-220M	22		0.085	2.60	2.70	19
FHW3316-330M	33		0.100	2.00	2.10	15
FHW3316-470M	47		0.140	1.60	1.80	12
FHW3316-680M	68		0.200	1.40	1.50	10
FHW3316-101M	100		0.280	1.20	1.30	9.0
FHW3316-151M	150		0.400	1.00	1.00	6.0
FHW3316-221M	220		0.610	0.80	0.80	5.0
FHW3316-331M	330		1.020	0.60	0.60	4.5
FHW3316-471M	470		1.270	0.50	0.50	3.5
FHW3316-681M	680		2.020	0.40	0.40	2.5
FHW3316-102M	1000		3.000	0.30	0.30	2.0

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Unshielded Power Inductors-HB Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current(A)	Heat Rating Current(A)	SRF Min.(MHz)
FHW3340-100M	10	100/0.25	0.040	8.00	3.50	22
FHW3340-150M	15		0.050	7.00	3.00	18
FHW3340-220M	22		0.066	5.50	2.50	11
FHW3340-330M	33		0.080	4.00	2.00	9.0
FHW3340-470M	47		0.110	3.80	1.60	8.0
FHW3340-680M	68		0.170	3.00	1.20	7.0
FHW3340-101M	100		0.220	2.50	1.00	5.5
FHW3340-151M	150		0.340	2.00	0.90	4.0
FHW3340-221M	220		0.440	1.60	0.70	3.5
FHW3340-331M	330		0.070	1.20	0.60	2.5
FHW3340-471M	470		0.095	1.10	0.30	2.0
FHW3340-681M	680		1.200	1.00	0.20	2.0
FHW3340-102M	1000		2.000	0.80	0.10	1.5

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Unshielded Power Inductors-HB Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current(A)	Heat Rating Current(A)	SRF Min.(MHz)
FHW5022-1R0M	1.0	100/0.25	0.009	20.00	8.60	80
FHW5022-2R2M	2.2		0.014	16.00	7.10	80
FHW5022-3R3M	3.3		0.018	14.00	6.20	60
FHW5022-5R6M	5.6		0.020	12.00	5.30	40
FHW5022-100M	10		0.031	10.00	4.30	30
FHW5022-150M	15		0.036	8.00	4.00	22
FHW5022-220M	22		0.047	7.00	3.50	20
FHW5022-330M	33		0.066	5.50	3.00	15
FHW5022-470M	47		0.086	4.50	2.60	9.0
FHW5022-680M	68		0.130	3.50	2.30	8.0
FHW5022-101M	100		0.190	3.00	1.80	7.0
FHW5022-151M	150		0.250	2.60	1.50	6.0
FHW5022-221M	220		0.380	2.40	1.20	5.0
FHW5022-331M	330		0.560	1.90	1.00	4.0
FHW5022-471M	470		0.850	1.40	0.82	3.0
FHW5022-681M	680		1.100	1.20	0.72	2.5
FHW5022-102M	1000		1.800	1.00	0.56	2.0

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)
※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

DIP Shielded Power Inductors-HB Series

■ Product Identification

HT 5052 H - 100 M - L5.0

1 2 3 4 5 6

1. Series name
2. Dimension
3. Shape(H:upright type M:horizontal type)
4. Inductance(100=10uH)
5. Tolerance(N:30%,M:20%,K:10%)
6. Leg Length

■ Feature

1. Frequency impedance of small and large disturbance frequency impedance
2. High permeability,low loss
3. Inductance value stability,thermal stability is good
4. Saturation current,magnetic flux leakage is small,environmentally lead-free products

■ Applications

1. Power suplies,DC-DC converters,TVs,VTRs
2. Computer,computer peripherals
3. Home electric appliance,ect

■ Shapes



Our company provide the following circular inductors:

Inductance sdries range:1mH ~more than 50mH(common mode),more than 10uH~1mH(differential mode)

Working voltage:exchange more than 100~250V-50/60Hz

Current rating:0.1A~30A

Communication:To high voltage,AC/DC 500V~4000V

Applicable:TV image with(such as TV sets and video recorders,etc.),office automation equipment,audio equipment, communications equipment,measuring instruments,andequipped with use of the motor.

SMD Multilayer Chip Ferrite Inductor-HFI Series



■ Feature

1. Compact size and light weight
2. Excellent solderability and heat resistance for either flow or feflow soldering
3. No cross coupling between inductors due to magnetic shield

■ Applications

1. Resonance circuit,traps,filter circuits
2. RF choke in telecommunications equipment
3. Cordless phones,radio equipment

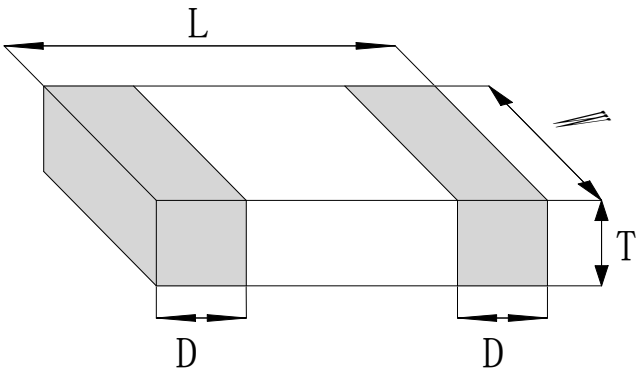
■ Product Identification

HFI 0603 - 15N K

1 2 3 4

1. Series name
2. Dimension
3. Inductance(15N=15nH)
4. Tolerance(M:20%,K:10%,J:5%)

■ Configurations & Dimensions



Series Name	L	W	T	D
FHW0402(1005)	1.0±0.15(0.040±0.006)	0.50±0.15(0.02±0.006)	0.50±0.15(0.02±0.006)	0.25±0.10(0.01±0.004)
FHW0603(1608)	1.6±0.15(0.063±0.006)	0.80±0.15(0.031±0.006)	0.80±0.15(0.031±0.006)	0.30±0.20(0.012±0.008)
FHW0805(2012)	2.0±0.20(0.079±0.008)	1.25±0.20(0.049±0.008)	0.85±0.20(0.033±0.008)	0.50±0.30(0.02±0.012)
FHWI1206(3216)	3.2±0.20(0.126±0.008)	1.60±0.20(0.063±0.008)	1.10±0.30(0.043±0.012)	0.50±0.30(0.02±0.012)
FHW1210(3225)	3.2±0.20(0.126±0.008)	2.50±0.20(0.098±0.008)	1.25±0.20(0.049±0.008)	0.70±0.30(0.028±0.012)

Unit: mm(inch)

SMD Multilayer Chip Ferrite Inductor-HFI Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (MHz)		Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
		L	Q				
FHW0402-47NJ	0.047	50	50	10	0.45	25	220
FHW0402-56NJ	0.056	50	50	10	0.45	25	220
FHW0402-68NJ	0.068	50	50	10	0.45	25	210
FHW0402-82NJ	0.082	50	50	10	0.45	25	200
FHW0402-R10J	0.10	25	25	15	0.70	25	200
FHW0402-R12J	0.12	25	25	15	0.70	25	165
FHW0402-R15J	0.15	25	25	15	0.90	25	140
FHW0402-R18J	0.18	25	25	15	1.10	25	120
FHW0402-R22J	0.22	25	25	15	1.20	25	110
FHW0402-R27J	0.27	25	25	15	1.20	25	95
FHW0402-R33J	0.33	25	25	15	1.25	18	85
FHW0402-R39J	0.39	25	25	15	1.50	18	70
FHW0402-R47J	0.47	25	25	20	2.00	18	68
FHW0402-R56J	0.56	25	25	20	2.35	18	55
FHW0402-R68J	0.68	25	25	20	2.55	18	50
FHW0402-R82J	0.82	25	25	20	3.15	18	45
FHW0402-1R0J	1.0	10	10	20	0.90	15	40
FHW0402-1R2J	1.2	10	10	20	1.20	15	35
FHW0402-1R5K	1.5	10	10	20	1.20	15	30
FHW0402-1R8K	1.8	10	10	20	1.45	15	30
FHW0402-2R2K	2.2	10	10	20	1.75	10	28
FHW0402-2R7K	2.7	10	10	20	2.00	10	22
FHW0402-3R3K	3.3	10	10	20	2.35	10	20
FHW0402-3R9K	3.9	10	10	20	2.55	10	18
FHW0402-4R7K	4.7	10	10	20	3.15	10	15
FHW0402-5R6K	5.6	4	4	20	2.35	3	13
FHW0402-6R8K	6.8	4	4	20	2.55	3	11
FHW0402-8R2K	8.2	4	4	20	3.15	3	10
FHW0402-100K	10	2	2	20	3.45	2	9.0

SMD Multilayer Chip Ferrite Inductor-HFI Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (MHz)		Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
		L	Q				
FHW0603-47NJ	0.047	50	50	15	0.20	50	600
FHW0603-56NJ	0.056	50	50	15	0.30	50	550
FHW0603-68NJ	0.068	50	50	15	0.30	50	500
FHW0603-82NJ	0.082	50	50	10	0.30	50	450
FHW0603-R10J	0.10	25	25	15	0.50	50	400
FHW0603-R12J	0.12	25	25	15	0.50	50	350
FHW0603-R15J	0.15	25	25	15	0.60	50	300
FHW0603-R18J	0.18	25	25	15	0.60	50	280
FHW0603-R22J	0.22	25	25	15	0.80	50	260
FHW0603-R27J	0.27	25	25	15	0.80	50	255
FHW0603-R33J	0.33	25	25	15	0.85	35	250
FHW0603-R39J	0.39	25	25	15	1.00	35	245
FHW0603-R47J	0.47	25	25	15	1.35	35	240
FHW0603-R56J	0.56	25	25	15	1.55	35	205
FHW0603-R68J	0.68	25	25	15	1.70	35	180
FHW0603-R82J	0.82	25	25	15	2.10	35	165
FHW0603-1R0J	1.0	10	10	35	0.60	25	125
FHW0603-1R2J	1.2	10	10	35	0.80	25	110
FHW0603-1R5J	1.5	10	10	35	0.80	25	105
FHW0603-1R8J	1.8	10	10	35	0.95	25	95
FHW0603-2R2J	2.2	10	10	35	1.15	15	90
FHW0603-2R7J	2.7	10	10	35	1.35	15	80
FHW0603-3R3J	3.3	10	10	35	1.55	15	70
FHW0603-3R9J	3.9	10	10	35	1.70	15	60
FHW0603-4R7J	4.7	10	10	35	2.10	15	50
FHW0603-5R6J	5.6	4	4	35	1.55	5	45
FHW0603-6R8J	6.8	4	4	35	1.70	5	40
FHW0603-8R2J	8.2	4	4	35	2.10	4	35
FHW0603-100K	10	2	2	35	2.55	3	33
FHW0603-220K	22	1	1	20	2.10	1	15
FHW0603-330K	33	1	1	20	2.95	1	10

SMD Multilayer Chip Ferrite Inductor-HFI Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (MHz)		Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
		L	Q				
FHW0805-47NJ	0.047	50	50	15	0.20	300	350
FHW0805-56NJ	0.056	50	50	15	0.20	300	350
FHW0805-68NJ	0.068	50	50	15	0.20	300	280
FHW0805-82NJ	0.082	50	50	15	0.20	300	255
FHW0805-R10J	0.10	25	25	20	0.30	250	235
FHW0805-R12J	0.12	25	25	20	0.30	250	220
FHW0805-R15J	0.15	25	25	20	0.40	250	200
FHW0805-R18J	0.18	25	25	20	0.40	250	185
FHW0805-R22J	0.22	25	25	20	0.50	250	170
FHW0805-R33J	0.33	25	25	20	0.55	250	145
FHW0805-R47J	0.47	25	25	25	0.65	200	125
FHW0805-R68J	0.68	25	25	25	0.80	150	105
FHW0805-R82J	0.82	25	25	45	1.00	150	100
FHW0805-1R0J	1.0	25	25	45	0.40	50	75
FHW0805-1R2J	1.2	25	25	45	0.50	50	65
FHW0805-1R5J	1.5	25	25	45	0.50	50	60
FHW0805-1R8J	1.8	10	10	45	0.60	50	55
FHW0805-2R2J	2.2	10	10	45	0.65	30	50
FHW0805-3R3J	3.3	10	10	45	0.80	30	41
FHW0805-3R9J	3.9	10	10	50	0.90	30	38
FHW0805-4R7J	4.7	10	10	50	1.00	30	35
FHW0805-5R6J	5.6	10	10	50	0.90	15	32
FHW0805-6R8J	6.8	10	10	50	1.00	15	29
FHW0805-8R2J	8.2	4	4	50	1.10	15	26
FHW0805-100J	10	2	2	50	1.15	15	24
FHWQ0805-150J	15	1	1	30	0.80	5	19
FHW0805-220J	22	1	1	30	1.10	5	18
FHW0805-330J	33	1	1	25	1.25	5	13
FHW0805-470J	47	1	1	25	1.80	4	12
FHW0805-680J	68	1	1	25	2.20	2	10
FHW0805-101J	100	1	1	25	2.50	2	8.0

SMD Multilayer Chip Ferrite Inductor-HFI Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (MHz)		Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
		L	Q				
FHW1206-47NJ	0.047	50	50	30	0.15	300	400
FHW1206-68NJ	0.068	50	50	30	0.25	300	330
FHW1206-82NJ	0.082	50	50	30	0.25	300	310
FHW1206-R10J	0.10	25	25	30	0.25	250	280
FHW1206-R18J	0.18	25	25	30	0.30	250	220
FHW1206-R22J	0.22	25	25	30	0.35	250	200
FHW1206-R33J	0.33	25	25	35	0.40	250	170
FHW1206-R47J	0.47	25	25	35	0.50	200	140
FHW1206-R56J	0.56	25	25	35	0.55	150	130
FHW1206-R68J	0.68	25	25	35	0.65	150	120
FHW1206-R82J	0.82	25	25	35	0.75	150	110
FHW1206-1R0J	1.0	10	10	50	0.40	100	90
FHW1206-1R5J	1.5	10	10	50	0.45	50	70
FHW1206-1R8J	1.8	10	10	50	0.50	50	66
FHW1206-2R2J	2.2	10	10	50	0.55	50	58
FHW1206-3R3J	3.3	10	10	50	0.60	50	49
FHW1206-3R9J	3.9	10	10	50	0.70	50	48
FHW1206-4R7J	4.7	10	10	50	0.70	50	41
FHW1206-5R6J	5.6	4	4	55	0.75	25	38
FWH1206-6R8J	6.8	4	4	55	0.75	25	34
FHW1206-8R2J	8.2	4	4	55	0.80	25	31
FHW1206-100J	10	2	2	55	0.80	25	28
FHW1206-150J	15	1	1	40	0.80	5	23
FHW1206-220J	22	1	1	40	0.90	5	19
FHW1206-330J	33	1	1	40	1.05	5	16
FHW1206-470J	47	1	1	40	2.00	5	11.5
FHW1206-680J	68	1	1	40	2.50	4	10.5
FHW1206-101J	100	1	1	30	3.00	4	9.0
FHW1206-151J	150	1	1	30	3.80	2	6.5
FHW1206-181J	180	1	1	30	4.00	2	6.0
FHW1206-221J	220	1	1	30	4.00	2	5.5

SMD Multilayer Chip Ferrite Inductor-HFI Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (MHz)		Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
		L	Q				
FHW1210-1R0J	1.0	10	10	50	0.20	150	90
FHW1210-1R2J	1.2	10	10	50	0.22	150	80
FHW1210-1R5J	1.5	10	10	50	0.26	120	70
FHW1210-1R8J	1.8	10	10	50	0.28	100	66
FHW1210-2R2J	2.2	10	10	50	0.31	80	58
FHW1210-2R7J	2.7	10	10	50	0.34	70	53
FHW1210-3R3J	3.3	10	10	50	0.39	60	49
FHW1210-3R9J	3.9	10	10	50	0.42	50	48
FHW1210-4R7J	4.7	10	10	50	0.55	40	41
FHW1210-5R6J	5.6	4	4	55	0.65	30	38
FHW1210-6R8J	6.8	4	4	55	0.69	25	34
FHW1210-8R2J	8.2	4	4	55	0.71	20	31
FHW1210-100J	10	2	2	55	0.72	20	28
FHW1210-120J	12	2	2	55	0.78	18	26
FHW1210-150J	15	1	1	40	0.80	15	23
FHW1210-180J	18	1	1	40	0.80	10	21
FHW1210-220J	22	1	1	40	0.90	10	19
FHW1210-270J	27	1	1	40	0.90	10	17

品牌；FHW-丰辉旺

SMD Multilayer Chip Ceramic Inductor-HCI Series



■ Feature

1. Monolithic construction yields high reliability
2. High self-resonant frequency
3. Excellent solderability and heat resistance for either flow or reflow soldering

■ Applications

1. High frequency circuits of telecommunication
2. Mobile phones such as GSM,CDMA,PDC,etc
3. Bluetooth
4. Other High frequency circuits in general

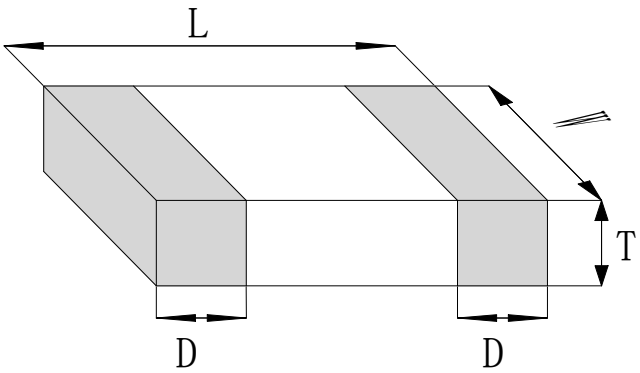
■ Product Identification

HCI 0603 - R15 J

1 2 3 4

1. Series name
2. Dimension
3. Inductance(R15=150nH)
4. Tolerance(M:20%,K:10%,J:5%)

■ Configurations & Dimensions



Series Name	L	W	T	D
FHW0201(0603)	0.6±0.05(0.024±0.002)	0.30±0.05(0.012±0.002)	0.30±0.05(0.012±0.002)	0.10~0.20(0.004~0.008)
FHW0402(1005)	1.0±0.15(0.040±0.006)	0.50±0.15(0.020±0.006)	0.50±0.15(0.020±0.006)	0.25±0.10(0.010±0.004)
FHW0603(1608)	1.6±0.15(0.063±0.006)	0.80±0.15(0.031±0.006)	0.80±0.15(0.031±0.006)	0.30±0.20(0.012±0.008)
FHW0805(2012)	2.0±0.20(0.079±0.008)	1.25±0.20(0.049±0.008)	0.85±0.20(0.033±0.008)	0.50±0.30(0.020±0.012)

Unit: mm(inch)

SMD Multilayer Chip Ceramic Inductor-HCI Series

■ Electrical Characteristics

Part Number	Inductance (nH)	Q Min. (MHz)			Inductance Test Freq. (MHz)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(GHz)
		500	800	1800				
FHW0201-0N6J	0.6	>24	>32	>54	500	0.06	600	10
FHW0201-1N0J	1.0	24	32	54	500	0.08	520	10
FHW0201-1N2J	1.2	19	25	43	500	0.12	420	10
FHW0201-1N5J	1.5	19	24	39	500	0.12	420	10
FHW0201-1N8J	1.8	17	24	39	500	0.15	380	10
FHW0201-2N2J	2.2	17	24	38	500	0.25	290	10
FHW0201-2N4J	2.4	17	23	36	500	0.22	310	10
FHW0201-2N7J	2.7	18	22	34	500	0.22	310	9.2
FHW0201-3N3J	3.3	16	23	34	500	0.30	270	8.1
FHW0201-3N9J	3.9	16	22	33	500	0.42	230	7.4
FHW0201-4N3J	4.1	16	21	32	500	0.44	220	6.8
FHW0201-4N7J	4.7	16	22	33	500	0.45	220	6.2
FHW0201-5N1J	5.1	17	22	34	500	0.46	210	5.9
FHW0201-5N6J	5.6	16	21	33	500	0.46	210	5.5
FHW0201-6N2J	6.2	18	23	34	500	0.48	210	5.1
FHW0201-6N8J	6.8	17	22	32	500	0.50	200	4.9
FHW0201-7N5J	7.5	16	21	31	500	0.50	200	4.7
FHW0201-8N2J	8.2	16	21	31	500	0.56	190	4.3
FHW0201-9N1J	9.1	16	20	30	500	0.72	170	4.1
FHW0201-10NJ	10	16	20	28	500	0.80	160	3.8
FHW0201-12NJ	12	16	20	27	500	0.80	160	3.4
FHW0201-15NJ	15	15	19	24	500	0.85	160	2.6
FHW0201-18NJ	18	15	19	23	500	1.00	140	2.3
FHW0201-22NJ	22	15	19	22	500	1.20	130	1.9
FHW0201-27NJ	27	14	17	15	500	1.50	100	2.0
FHW0201-33NJ	33	15	17	12	300	1.70	100	1.7
FHW0201-39NJ	39	14	15	3	300	2.50	80	1.5
FHW0201-47NJ	47	14	14	1	300	2.70	80	1.3
FHW0201-56NJ	56	13	13	-	300	3.20	60	1.2

SMD Multilayer Chip Ceramic Inductor-HCI Series

■ Electrical Characteristics

Part Number	Inductance (nH)	Q Min. (MHz)			Inductance Test Freq. (MHz)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(GHz)
		100	900	1800				
FHW0402-1N0J	1.0	9	44	50	100	0.08	400	10
FHW0402-1N2J	1.2	9	44	50	100	0.08	400	10
FHW0402-1N5J	1.5	9	43	48	100	0.10	400	6.0
FHW0402-1N8J	1.8	9	35	45	100	0.12	400	6.0
FHW0402-2N2J	2.2	9	30	43	100	0.12	400	6.0
FHW0402-2N7J	2.7	9	30	40	100	0.13	400	6.0
FHW0402-3N3J	3.3	9	30	40	100	0.15	400	6.0
FHW0402-3N9J	3.9	9	30	41	100	0.21	400	4.5
FHW0402-4N7J	4.7	9	29	38	100	0.21	300	4.5
FHW0402-5N6J	5.6	9	25	32	100	0.23	300	4.0
FHW0402-6N8J	6.8	9	25	33	100	0.25	300	4.0
FHW0402-7N5J	7.5	9	25	32	100	0.35	300	3.6
FHW0402-8N2J	8.2	9	25	32	100	0.35	300	3.6
FHW0402-9N1J	9.1	9	25	31	100	0.42	300	3.2
FHW0402-10NJ	10	9	26	30	100	0.42	300	3.2
FHW0402-12NJ	12	9	26	29	100	0.50	300	2.8
FHW0402-15NJ	15	9	25	26	100	0.60	300	2.5
FHW0402-18NJ	18	9	23	24	100	0.80	300	2.2
FHW0402-22NJ	22	9	23	22	100	0.85	300	1.9
FHW0402-27NJ	27	9	23		100	1.00	300	1.6
FHW0402-33NJ	33	9	22		100	1.00	200	1.3
FHW0402-39NJ	39	9	21		100	1.30	200	1.2
FHWI0402-47NJ	47	9	20		100	1.50	200	1.0
FHW0402-56NJ	56	9	17		100	1.80	200	0.75
FHW0402-68NJ	68	9	15		100	1.95	180	0.75
FHW0402-82NJ	82	9			100	2.10	150	0.60
FHW0402-R10J	100	9			100	2.50	150	0.60
FHW0402-R15J	150	8			100	2.35	150	0.55
FHW0402-R18J	180	8			100	2.55	100	0.50
FHW0402-R22J	220	8			100	2.65	100	0.45
FHW0402-R33J	330	8			50	3.00	50	0.35

SMD Multilayer Chip Ceramic Inductor-HCI Series

■ Electrical Characteristics

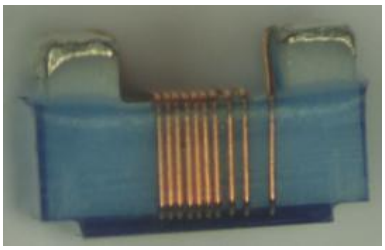
Part Number	Inductance (nH)	Test Freq. (MHz)	Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(GHz)
FHW0603-1N0J	1.0	100	8	0.05	500	>10
FHW0603-1N2J	1.2	100	8	0.05	500	>10
FHW0603-1N5J	1.5	100	8	0.10	500	>10
FHW0603-1N8J	1.8	100	8	0.10	500	>10
FHW0603-2N2J	2.2	100	8	0.10	500	10
FHW0603-2N7J	2.7	100	10	0.10	500	9.0
FHW0603-3N3J	3.3	100	10	0.12	500	8.0
FHW0603-3N9J	3.9	100	10	0.14	500	7.0
FHW0603-4N7J	4.7	100	10	0.16	500	5.5
FHW0603-5R6J	5.6	100	10	0.18	500	4.5
FHW0603-6N8J	6.8	100	10	0.22	500	4.0
FHW0603-8N2J	8.2	100	10	0.24	500	3.6
FHW0603-10NJ	10	100	12	0.26	300	3.4
FHW0603-12NJ	12	100	12	0.30	300	2.8
FHW0603-15NJ	15	100	12	0.32	300	2.5
FHW0603-18NJ	18	100	12	0.35	300	2.1
FHW0603-22NJ	22	100	12	0.40	300	1.7
FHW0603-27NJ	27	100	12	0.45	300	1.5
FHW0603-33NJ	33	100	12	0.55	300	1.3
FHW0603-39NJ	39	100	12	0.60	300	1.1
FHW0603-47NJ	47	100	12	0.70	300	1.0
FHW0603-56NJ	56	100	12	0.75	300	0.90
FHW0603-68NJ	68	100	12	0.85	300	0.70
FHW0603-82NJ	82	100	12	0.95	300	0.60
FHW0603-R10J	100	100	12	1.00	300	0.60
FHW0603-R12J	120	50	8	1.30	300	0.50
FHW0603-R15J	150	50	8	1.50	300	0.50
FHW0603-R18J	180	50	8	1.80	300	0.40
FHW0603-R22J	220	50	8	2.10	300	0.40
FHW0603-R27J	270	50	8	2.40	300	0.35
FHW0603-R33J	330	50	8	3.00	300	0.35

SMD Multilayer Chip Ceramic Inductor-HCI Series

■ Electrical Characteristics

Part Number	Inductance (nH)	Test Freq. (MHz)	Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(GHz)
FHW0805-1N5J	1.5	100	10	0.10	600	6.0
FHW0805-1N8J	1.8	100	10	0.10	600	6.0
FHW0805-2N2J	2.2	100	10	0.10	600	6.0
FHW0805-2N7J	2.7	100	12	0.10	600	6.0
FHW0805-3N3J	3.3	100	12	0.13	600	6.0
FHW0805-3N9J	3.9	100	12	0.15	600	5.0
FHW0805-4N7J	4.7	100	12	0.20	400	4.0
FHW0805-5N6J	5.6	100	15	0.23	400	3.5
FHW0805-6N8J	6.8	100	15	0.25	400	2.8
FHW0805-8N2J	8.2	100	15	0.28	400	2.4
FHW0805-10NJ	10	100	15	0.30	300	2.1
FHW0805-12NJ	12	100	15	0.35	300	1.9
FHW0805-15NJ	15	100	15	0.40	300	1.8
FHW0805-18NJ	18	100	15	0.45	300	1.5
FHW0805-22NJ	22	100	15	0.50	300	1.4
FHW0805-27NJ	27	100	15	0.55	300	1.3
FHW0805-33NJ	33	100	15	0.60	300	1.2
FHW0805-39NJ	39	100	15	0.65	300	1.0
FHW0805-47NJ	47	100	15	0.70	300	0.90
FHW0805-56NJ	56	100	15	0.75	300	0.80
FHW0805-68NJ	68	100	15	0.80	300	0.70
FHW0805-82NJ	82	100	15	0.90	300	0.60
FHW0805-R10J	100	100	15	0.90	300	0.60
FHW0805-R12J	120	100	13	0.95	300	0.50
FHW0805-R15J	150	50	13	1.00	300	0.50
FHW0805-R18J	180	50	13	1.20	300	0.40
FHW0805-R22J	220	50	12	1.40	300	0.35
FHW0805-R27J	270	50	12	1.70	300	0.30
FHW0805-R33J	330	50	12	2.00	300	0.25
FHW0805-R39J	390	50	10	2.50	300	0.25
FHW0805-R47J	470	50	10	2.80	300	0.20

SMD Wire Wound Chip Inductor-HWI Series



■ Feature

1. Uitra-small size exceptional Q and high SRFs mark these inductors ideal for high frequency applications where size is at a premium.
2. Have excellent DCR and current carrying characteristic

■ Applications

1. Cardless phone
2. High frequency communication products

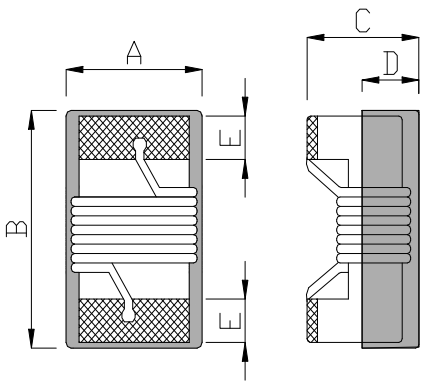
■ Product Identification

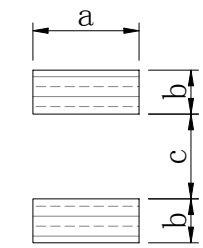
HWI 0603 - 68N J

1 2 3 4

1. Series name
2. Dimension
3. Inductance(68N=68nH)
4. Tolerance(M:20%,K:10%,J:5%)

■ Configurations & Dimensions





PCB LAYOUT

Series Name	A(Max)	B(Max)	C(Max)	D	E	a	b	c
FHW0402	1.20	0.66	0.66	0.25	0.23	0.66	0.36	0.46
FHW0603	1.80	1.12	1.02	0.45	0.33	1.02	0.64	0.64
FHW0805	2.30	1.73	1.52	0.65	0.51	1.78	1.02	0.76

Unit: mm

SMD Wire Wound Chip Inductor-HWI Series

■ Electrical Characteristics

Part Number	Inductance (nH)	Test Freq. (MHz)		Q (Typ.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(GHz)
		L	Q				
HWI0402-1N0J	1.0	250	900	26	0.045	1360	12.70
HWI0402-2N0J	2.0	250	900	30	0.070	1040	11.10
HWI0402-2N2J	2.2	250	900	32	0.070	960	10.80
HWI0402-3N3J	3.3	250	900	41	0.066	840	7.00
HWI0402-3N9J	3.9	250	900	41	0.066	840	6.00
HWI0402-4N7J	4.7	250	900	48	0.130	640	4.77
HWI0402-5N6J	5.6	250	900	46	0.083	760	4.80
HWI0402-6N8J	6.8	250	900	49	0.083	680	4.80
HWI0402-8N2J	8.2	250	900	49	0.100	680	4.40
HWI0402-10NJ	10	250	900	47	0.200	480	3.90
HWI0402-12NJ	12	250	900	51	0.120	640	3.60
HWI0402-15NJ	15	250	900	54	0.170	560	3.28
HWI0402-18NJ	18	250	900	50	0.230	420	3.10
HWI0402-22NJ	22	250	900	53	0.300	400	2.80
HWI0402-33NJ	33	250	900	31	0.300	400	2.35
HWI0402-39NJ	39	250	900	47	0.550	200	2.10
HWI0402-47NJ	47	250	900	38	0.830	150	2.10
HWI0402-56NJ	56	250	900	42	0.970	100	1.76
HWI0402-68NJ	68	250	900	36	1.120	100	1.62
HWI0402-82NJ	82	250	900		1.550	50	1.26
HWI0402-R10J	100	251	901		2.000	30	1.16

SMD Wire Wound Chip Inductor-HWI Series

■ Electrical Characteristics

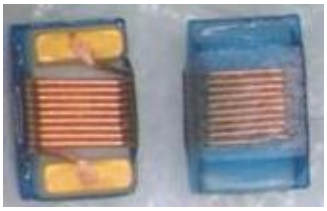
Part Number	Inductance (nH)	Test Freq. (MHz)	Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(GHz)
FHW0603-1N8J	1.8	250	16	0.045	700	12.50
FHW0603-2N2J	2.2	250	13	0.045	700	12.50
FHW0603-3N3J	3.3	250	22	0.045	700	5.90
FHW0603-3N9J	0.9	250	22	0.080	700	6.90
FHW0603-4N7J	4.7	250	24	0.116	700	5.80
FHW0603-5N6J	5.6	250	26	0.075	700	4.80
FHW0603-6N8J	6.8	250	27	0.110	700	5.80
FHW0603-8N2J	8.2	250	30	0.115	700	4.20
FHW0603-10NJ	10.0	250	31	0.130	700	4.80
FHW0603-12NJ	12	250	35	0.130	700	4.00
FHW0603-15NJ	15	250	35	0.170	700	4.00
FHW0603-18NJ	18	250	35	0.170	700	3.10
FHW0603-22NJ	22	250	38	0.190	700	3.00
FHW0603-27NJ	27	250	40	0.220	600	2.80
FHW0603-33NJ	33	250	40	0.220	600	2.30
FHW0603-39NJ	39	250	40	0.250	600	2.20
FHW0603-47NJ	47	200	38	0.280	600	2.00
FHW0603-56NJ	56	200	38	0.310	600	1.90
FHW0603-68NJ	68	200	37	0.340	600	1.70
FHW0603-82NJ	82	150	34	0.540	400	1.70
FHW0603-R10J	100	150	34	0.580	400	1.40
FHW0603-R12J	120	150	32	0.650	300	1.30
FHW0603-R15J	150	150	28	0.920	280	0.99
FHW0603-R18J	180	100	25	1.250	240	0.99
FHW0603-R22J	220	100	25	2.100	200	0.90
FHW0603-R27J	270	100	24	2.800	170	0.83
FHW0603-R33J	330	100	25	3.890	100	0.79
FHW0603-R39J	390	100	25	4.350	100	0.78
FHW0603-R47J	470	100	25	4.500	80	0.70

SMD Wire Wound Chip Inductor-HWI Series

■ Electrical Characteristics

Part Number	Inductance (nH)	Test Freq. (MHz)		Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(GHz)
		L	Q				
FHW0805-3N3J	3.3	250	1500	50	0.08	600	7.90
FHW0805-5N6J	5.6	250	1000	65	0.08	600	5.50
FHW0805-6N8J	6.8	250	1000	50	0.11	600	5.50
FHW0805-8N2J	8.2	250	1000	50	0.12	600	4.70
FHW0805-10NJ	10	250	500	60	0.10	600	4.20
FHW0805-12NJ	12	250	500	50	0.15	600	4.00
FHW0805-15NJ	15	250	500	50	0.17	600	3.40
FHW0805-18NJ	18	250	500	50	0.20	600	3.30
FHW0805-22NJ	22	250	500	55	0.22	500	2.60
FHW0805-27NJ	27	250	500	55	0.25	500	2.50
FHW0805-33NJ	33	250	500	60	0.27	500	2.05
FHW0805-39NJ	39	250	500	60	0.29	500	2.00
FHW0805-47NJ	47	200	500	60	0.31	500	1.65
FHW0805-56NJ	56	200	500	60	0.34	500	1.55
FHW0805-68NJ	68	200	500	60	0.38	500	1.45
FHW0805-82NJ	82	150	500	65	0.42	400	1.30
FHW0805-R10J	100	150	500	65	0.46	400	1.20
FHW0805-R12J	120	150	250	50	0.51	400	1.10
FHW0805-R15J	150	100	250	50	0.56	400	0.92
FHW0805-R18J	180	100	250	50	0.64	400	0.87
FHW0805-R22J	220	100	250	50	0.70	400	0.85
FHW0805-R27J	270	100	250	48	1.00	350	0.65
FHW0805-R33J	330	100	250	48	1.40	310	0.60
FHW0805-R39J	390	100	250	48	1.50	290	0.56
FHW0805-R47J	470	50	100	33	1.76	250	0.38
FHW0805-R56J	560	25	50	23	1.90	230	0.34
FHW0805-R68J	680	25	50	23	2.20	190	0.18
FHW0805-R82J	820	25	50	23	2.35	180	0.15

SMD Wire Wound Ferrite Chip Inductor-HWF Series



■ Feature

1. Utilizing a miniaturized winding structure
2. These products provide low DC resistance and high current
3. Precision inductance tolerance is available

■ Applications

1. Xdsl mode and cable modem
2. Personal computers
3. Digital cameras and other electronic equipments

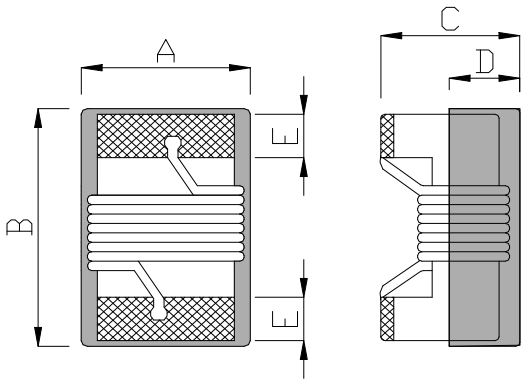
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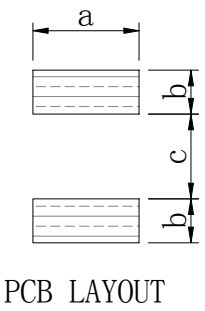
HWF 0805 - 150 J

1 2 3 4

1. Series name
2. Dimension
3. Inductance(150=15uH)
4. Tolerance(M:20%,K:10%,J:5%)

■ Configurations & Dimensions





PCB LAYOUT

Series Name	A(Max)	B(Max)	C(Max)	D	E	a	b	c
FHW0805	2.40	1.65	1.30	0.65	0.44	1.78	1.02	0.76
FHW1008	2.90	2.55	2.10	1.30	0.50	2.54	1.02	1.27
FHW1210	3.60	2.90	2.40	1.30	0.50	1.20	1.20	2.00

Unit: mm

SMD Wire Wound Ferrite Chip Inductor-HWF Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (MHz)		Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
		L	Q				
FHW0805-R12J	0.12	25	25	25	0.18	1500	1000
FHW0805-R15J	0.15	25	25	25	0.18	1400	1000
FHW0805-R18J	0.18	25	25	30	0.20	1400	1000
FHW0805-R22J	0.22	25	25	30	0.25	1350	830
FHW0805-R27J	0.27	25	25	30	0.38	1300	800
FHW0805-R33J	0.33	25	25	30	0.35	1200	750
FHW0805-R39J	0.39	25	25	30	0.35	1160	700
FHW0805-R47J	0.47	25	25	30	0.40	1100	690
FHW0805-R56J	0.56	25	25	30	0.40	1040	640
FHW0805-R68J	0.68	25	25	30	0.50	900	510
FHW0805-R82J	0.82	25	25	30	0.50	900	500
FHW0805-1R0J	1.0	7.9	7.9	20	0.60	840	470
FHW0805-1R2J	1.2	7.9	7.9	20	0.75	800	400
FHW0805-1R5J	1.5	7.9	7.9	25	1.00	720	400
FHW0805-2R2J	2.2	7.9	7.9	25	1.05	600	200
FHW0805-2R7J	2.7	7.9	7.9	25	1.18	500	130
FHW0805-3R3J	3.3	7.9	7.9	25	1.26	480	130
FHW0805-3R9J	3.9	7.9	7.9	25	1.75	440	130
FHW0805-4R7J	4.7	7.9	7.9	25	1.87	390	120
FHW0805-5R6J	5.6	7.9	7.9	25	2.00	340	90
FHW0805-6R8J	6.8	7.9	7.9	25	2.15	300	55
FHW0805-8R2J	8.2	7.9	7.9	25	2.37	280	40
FHW0805-100J	10	2.5	2.5	16	2.55	260	40
FHW0805-120J	12	2.5	2.5	16	2.80	220	37
FHW0805-150J	15	2.5	2.5	16	3.80	200	30
FHW0805-180J	18	2.5	2.5	16	4.48	180	23
FHW0805-220J	22	2.5	2.5	16	6.30	160	20
FHW0805-270J	27	2.5	2.5	16	6.85	140	19
FHW0805-330J	33	2.5	2.5	16	7.60	120	18

※ Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)

SMD Wire Wound Ferrite Chip Inductor-HWF Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (MHz)		Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
		L	Q				
FHW1008-R22J	0.22	25	25	27	0.40	880	750
FHW1008-R39J	0.39	25	25	30	0.45	920	480
FHW1008-R56J	0.56	25	25	30	0.55	900	460
FHW1008-R68J	0.68	25	25	30	0.55	880	420
FHW1008-R82J	0.82	25	25	30	0.65	840	380
FHW1008-1R0J	1.0	7.9	7.9	25	0.70	800	300
FHW1008-1R2J	1.2	7.9	7.9	25	0.74	800	280
FHW1008-1R8J	1.8	7.9	7.9	25	0.92	780	240
FHW1008-2R2J	2.2	7.9	7.9	25	1.10	760	205
FHW1008-3R3J	3.3	7.9	7.9	25	1.37	740	165
FHW1008-3R9J	3.9	7.9	7.9	25	1.66	700	144
FHW1008-4R7J	4.7	7.9	7.9	25	1.68	660	110
FHW1008-5R6J	5.6	7.9	7.9	25	1.75	640	88
FHW1008-6R8J	6.8	7.9	7.9	25	1.85	640	70
FHW1008-8R2J	8.2	7.9	7.9	25	2.00	600	57
FHW1008-100J	10	2.5	2.5	15	2.32	600	55
FHW1008-120J	12	2.5	2.5	15	2.99	560	52
FHW1008-150J	15	2.5	2.5	15	3.42	480	49
FHW1008-180J	18	2.5	2.5	15	4.65	420	48
FHW1008-220J	22	2.5	2.5	15	5.12	420	25
FHW1008-270J	27	2.5	2.5	15	5.76	420	23
FHW1008-330J	33	2.5	2.5	15	6.44	400	17
FHW1008-390J	39	2.5	2.5	15	6.85	380	15
FHW1008-470J	47	2.5	2.5	14	9.94	260	13
FHW1008-560J	56	2.5	2.5	14	10.70	280	10
FHW1008-680J	68	2.5	2.5	14	12.80	260	8
FHW1008-820J	82	2.5	2.5	14	18.30	240	8
FHW1008-101J	100	1.0	1.0	8	19.60	200	7

※ Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)

SMD Wire Wound Ferrite Chip Inductor-HWF Series

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (MHz)		Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
		L	Q				
FHW1210-1R8J	1.80	7.9	7.9	40	0.62	1000	203
FHW1210-2R7J	2.70	7.9	7.9	40	0.65	1000	200
FHW1210-3R0J	3.00	7.9	7.9	40	0.78	800	180
FHW1210-3R3J	3.30	7.9	7.9	30	0.83	1200	146
FHW1210-3R9J	3.90	7.9	7.9	30	1.74	900	139
FHW1210-4R7J	4.7	7.9	7.9	35	1.90	800	124
FHW1210-5R6J	5.6	7.9	7.9	30	2.05	700	114
FHW1210-6R8J	6.8	7.9	7.9	30	1.37	450	109
FHW1210-100J	10	2.5	2.5	23	1.70	590	90
FHW1210-150J	15	2.5	2.5	25	2.22	340	67
FHW1210-180J	18	2.5	2.5	25	2.42	330	57
FHW1210-220J	22	2.5	2.5	25	2.66	300	48
FHW1210-270J	27	2.5	2.5	25	2.99	250	38
FHW1210-680J	68	2.5	2.5	23	4.50	340	15
FHW1210-820J	82	2.5	2.5	23	5.95	300	15
FHW1210-101J	100	1.0	1.0	15	6.62	250	14
HWF1210-151J	150	1.0	1.0	15	8.29	135	11
HWF1210-221J	221	1.0	1.0	15	12.48	80	8

※ Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)

SMD Multilayer Chip Ferrite Beads-HGB Series



■ Feature

1. Multilayer monolithic consrtuction yields high reliability
2. Excellent solderability and heat resistance for either flow or feflow soldering
3. Substantial EMI suppression over a wide frequency range

■ Applications

1. Noise suppression in digital equipment such as computer and its peripheral devices,DVD,Camera,OA,etc

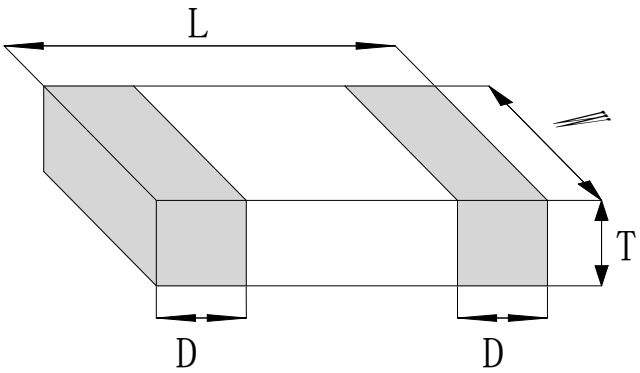
■ Product Identification

HGB 0603 - 100

1 2 3

1. Series name
2. Dimension
3. Impedance(100=10Ω)

■ Configurations & Dimensions



Series Name	L	W	T	D
FHW0201(0603)	0.6±0.05(0.024±0.002)	0.30±0.05(0.012±0.002)	0.30±0.05(0.012±0.002)	0.15±0.05(0.020±0.002)
FHW0402(1005)	1.0±0.15(0.040±0.006)	0.50±0.15(0.020±0.006)	0.50±0.15(0.020±0.006)	0.25±0.10(0.010±0.004)
FHW0603(1608)	1.6±0.15(0.063±0.006)	0.80±0.15(0.031±0.006)	0.80±0.15(0.031±0.006)	0.30±0.20(0.012±0.008)
FHW0805(2012)	2.0±0.20(0.079±0.008)	1.25±0.20(0.049±0.008)	0.85±0.20(0.033±0.008)	0.50±0.30(0.020±0.012)
FHW1206(3216)	3.2±0.20(0.126±0.008)	1.60±0.20(0.063±0.008)	0.90±0.20(0.035±0.008)	0.50±0.30(0.020±0.012)

Unit: mm(inch)

SMD Multilayer Chip Ferrite Beads-HGB Series

■ Electrical Characteristics

Part Number	Impedance(Ω) ±25%	Test Freq. (MHz)	DC Resistance (Ω)MAX	Rated Current (mA)
FHW0201-100	10	100	0.120	500
FHW0201-800	80		0.370	200
FHW0201-121	120		0.450	200
FHW0201-241	240		0.750	200
FHW0201-471	470		1.300	100
FHW0201-681	680		1.750	100

Part Number	Impedance(Ω) ±25%	Test Freq. (MHz)	DC Resistance (Ω)MAX	Rated Current (mA)
FHW0402-050	5	100	0.05	500
FHW0402-110	11		0.05	500
FHW0402-190	19		0.05	300
FHW0402-310	31		0.20	300
FHW0402-600	60		0.30	200
FHW0402-800	80		0.30	200
FHW0402-121	120		0.40	150
FHW0402-181	180		0.50	150
FHW0402-301	300		0.65	100
FHW0402-601	600		1.00	100
FHW0402-102	1000		1.30	100
FHW0402-152	1500		1.40	100
FHW0402-182	1800		1.40	100

SMD Multilayer Chip Ferrite Beads-HGB Series

■ Electrical Characteristics

Part Number	Impedance(Ω) ±25%	Test Freq. (MHz)	DC Resistance (Ω)MAX	Rated Current (mA)
FHW0603-070	7	100	0.05	1000
FHW0603-190	19		0.05	1000
FHW0603-600	60		0.12	300
FHW0603-800	80		0.16	200
FHW0603-121	120		0.20	200
FHW0603-181	180		0.30	200
FHW0603-221	220		0.30	200
FHW0603-301	300		0.35	200
FHW0603-601	600		0.50	200
FHW0603-102	1000		0.60	100
FHW0603-152	1500		0.80	100
FHW0603-202	2000		1.20	100
FHW0603-252	2500		1.50	50

SMD Multilayer Chip Ferrite Beads-HGB Series

■ Electrical Characteristics

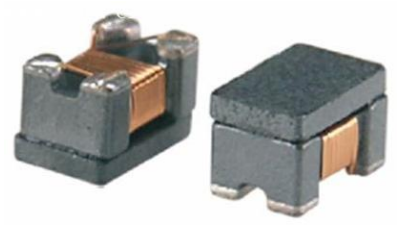
Part Number	Impedance(Ω) ±25%	Test Freq. (MHz)	DC Resistance (Ω)MAX	Rated Current (mA)
FHW0805-070	7	100	0.05	2200
FHW0805-110	11		0.05	2000
FHW0805-190	19		0.05	2000
FHW0805-260	26		0.05	1500
FHW0805-310	31		0.05	1500
FHW0805-360	36		0.05	1500
FHW0805-600	60		0.05	1000
FHW0805-700	70		0.08	1000
FHW0805-800	80		0.10	1000
FHW0805-101	100		0.12	1000
FHW0805-121	120		0.15	800
FHW0805-151	150		0.15	800
FHW0805-181	180		0.20	600
FHW0805-221	220		0.20	600
FHW0805-301	300		0.25	500
FHW0805-501	500		0.30	500
FHW0805-601	600		0.35	500
FHW0805-751	750		0.35	300
FHW0805-102	1000		0.45	300
FHW0805-122	1200		0.50	200
FHW0805-152	1500		0.65	200
FHW0805-202	2000		0.80	200
FHW0805-222	2200		1.50	200
FHW0805-252	2500		1.50	200

SMD Multilayer Chip Ferrite Beads-HGB Series

■ Electrical Characteristics

Part Number	Impedance(Ω) ±25%	Test Freq. (MHz)	DC Resistance (Ω)MAX	Rated Current (mA)
FHW1206-190	19	100	0.05	2000
FHW1206-260	26		0.05	2000
FHW1206-310	31		0.05	2000
FHW1206-360	36		0.05	2000
FHW1206-600	60		0.08	1000
FWH1206-800	80		0.08	1000
FHW1206-101	100		0.10	1000
FHW1206-121	120		0.10	600
FHW1206-151	150		0.15	600
FHW1206-181	180		0.15	600
FHW1206-301	300		0.20	600
FHW1206-391	390		0.20	600
FHW1206-501	500		0.30	600
FHW1206-601	600		0.30	600
FHW1206-751	750		0.30	600
FHW1206-102	1000		0.40	500
FHW1206-122	1200		0.50	300
FHW1206-152	1500		0.60	200
FHW1206-202	2000		0.70	200
FHW1206-252	2500		0.70	200
FHW1206-302	3000		1.00	200

SMD Wire Common Mode Choke Coil-HCM Series



■ Feature

1. Multilayer monolithic consrtuction yields high reliability
2. Excellent solderability and heat resistance for either flow or feflow soldering
3. Substantial EMI suppression over a wide frequency range

■ Applications

1. Noise suppression in digital equipment such as computer and its peripheral devices,DVD,Camera,OA,etc

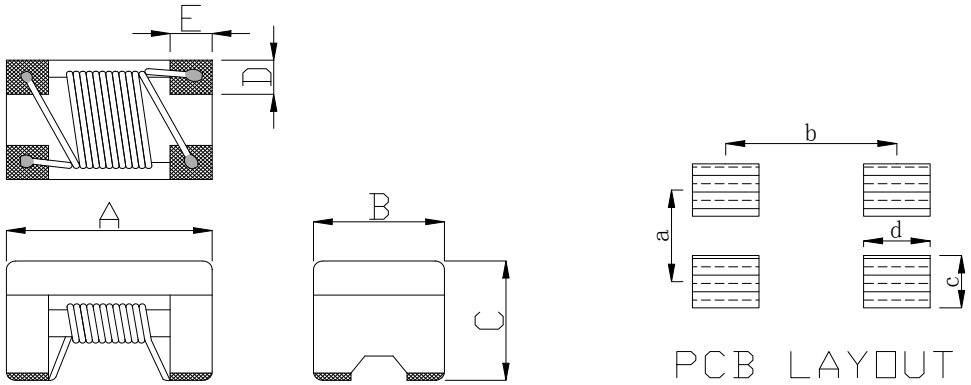
■ Product Identification

FHWS0603 - 100

1 2 3

1. Series name
2. Dimension
3. Impedance(100=10Ω)

■ Configurations & Dimensions



Series Name	A(Max)	B(Max)	C(Max)	D	E	a	b	c	d
FHW0805(2012)	2.2	1.4	1.4	**0.5**	**0.4**	**0.8**	**1.8**	**0.4**	**0.8**

Unit: mm

品牌；FHW-丰辉旺电感　　专业电感制造商

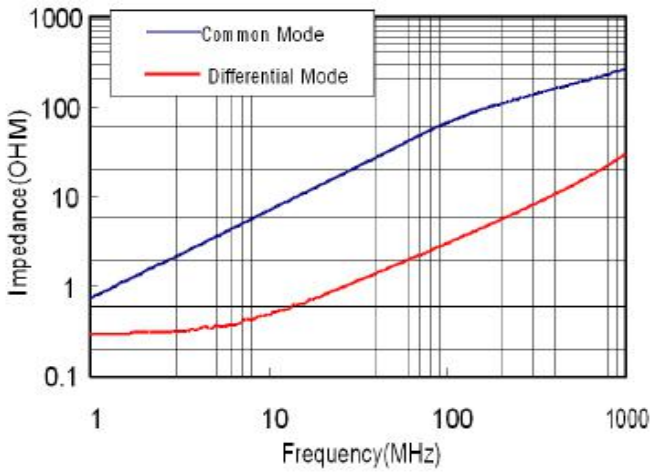
SMD Wire Common Mode Choke Coil-HCM Series

■ Electrical Characteristics

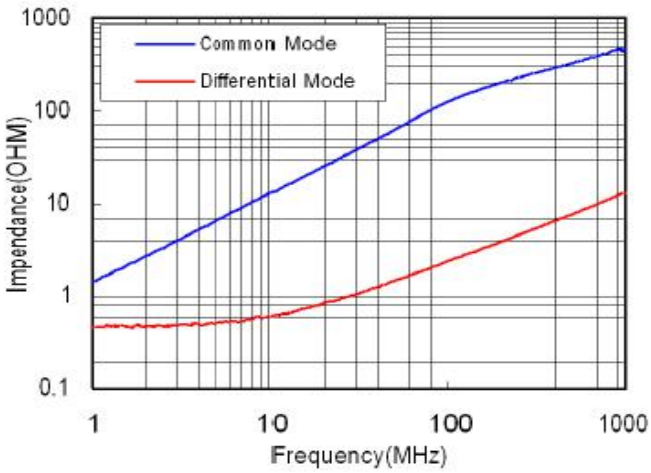
Part Number	Impedance(Ω) ±25%	Test Freq. (MHz)	DC Resistance (Ω)MAX	Insulation Resistance (Ω)Min.	Rated Voltage Vdc(Max.)	Rated Current (mA)
FHW0805-300	30	100	0.20	10M	50	450
FHW0805-400	40		0.20	10M	50	450
FHW0805-670	67		0.25	10M	50	400
FHW0805-900	90		0.30	10M	50	370
FHW0805-121	120		0.30	10M	50	370
FHW0805-181	180		0.35	10M	50	330
FHW0805-201	200		0.35	10M	50	330
FHW0805-261	260		0.40	10M	50	300
FHW0805-371	370		0.40	10M	50	280

■ Common Mode & Differential Mode vs. Frequency

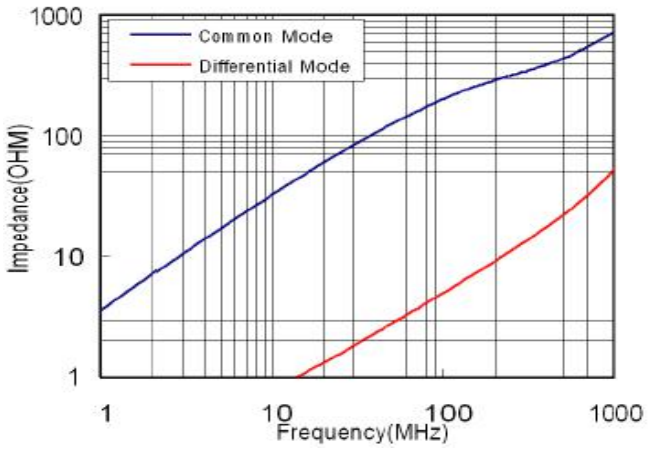
HCM0805-670



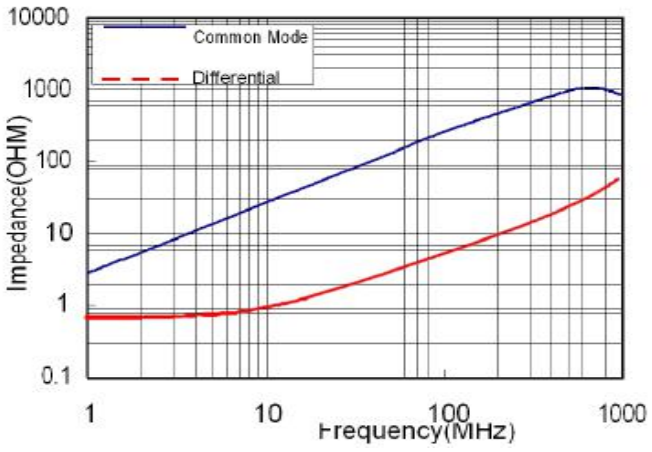
HCM0805-121



HCM0805-201



HCM0805-261



品牌；FHW-丰辉旺电感.　　专业电感制造商。